Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 155 No. 1 January 3, 1949

SHARSOL
(Solubilizer for 2,4-D acid)

Sharples Chemicals Inc. PHILADELPHIA · CHICAGO · NEW YORK

CARBON BISULPHIDE
99.9%

Baker's Analyzed Reagent Fine Chemicals

J. T. Baker Chemical Co. Phillipsburg, N. J.
NEW YORK · PHILADELPHIA · BOSTON · CHICAGO

ACETIC ACID
Glacial - 84% - 80% - 70% - 56% - 28%
Tank Wagons Barrels Carboys
DOMESTIC • EXPORT

WM. S. GRAY & CO.
342 MADISON AVENUE, NEW YORK 17, N. Y.
Cable Address: GRAYLIME Phone: MUrray Hill 2-3100

Immediate Shipment!
DIMETHYL SULFATE
$(CH_3)_2SO_4$
In 10-gallon and 55-gallon drums
A VALUABLE METHYLATING AGENT
in the manufacture of photographic chemicals, pharmaceuticals, dyestuffs, and caffeine from theobromine. **Export inquiries invited.** For data and technical advice, write
AMMONIA DEPARTMENT
E. I. du Pont de Nemours & Co. (Inc.)
Wilmington 98, Delaware
DU PONT
BETTER THINGS FOR BETTER LIVING ...THROUGH CHEMISTRY
HIGH PRESSURE CHEMICALS SYNTHETICS

Salt Cake

PRIOR CHEMICAL CORPORATION - NEW YORK
420 Lexington Avenue

Borax and Boric Acid
TECHNICAL • U. S. P.
SPECIAL QUALITY
CRYSTAL
GRANULATED
POWDERED
IMPALPABLE
ANHYDROUS
★ Sodium Metaborate ★ Potassium Borate
★ Ammonium Biborate ★ Ammonium Pentaborate
PACIFIC COAST BORAX COMPANY
51 MADISON AVENUE, NEW YORK 10, N.Y. · CHICAGO 16 · LOS ANGELES 14

LIBRARY JAN 3 1949 U.S. PATENT OFFICE

Westvaco CHEMICALS

TRADE - MARK

ALKALIS—
Caustic Potash
Liquid, Solid and Flake
Caustic Soda
Liquid, Solid and Flake
Soda Ash

SOLVENTS—
Carbon Bisulfide
Carbon Tetrachloride, Tech. and C.P.
Ethylene Dibromide
Sulfur Monochloride
Trichlorethylene

PHOSPHATES—
Acid Sodium Pyrophosphate (ASPP)
Disodium Phosphate (DSP)
Anhydrous and Crystals
Monosodium Phosphate (MSP)
Sodium Tripolyphosphate (STPP)
Tetrapotassium Pyrophosphate (TKPP)
Tetrasodium Pyrophosphate (TSPP)
Anhydrous and Crystals
Tripotassium Phosphate (TKP)

MAGNESIA (Magnesium Oxide)—
Extreme flexibility of plant facilities allows the production of "custom-built" magnesias from both seawater and mined magnesites. More important regular-production types are:
Adsorptive, Powdered and Granular
Agricultural Grade
Chemical Grade
Chloride Free Grade
Insulation Grade
Oxychloride Cement Grade
Refractory Grade Periclase
Rubber Grade, Medium Light

OTHER MAGNESIUM CHEMICALS—
Magnesite, Crude Mined
Magnesium Chloride, Solution and Flake†
Magnesium Sulfate (Epsom Salt)
Magnesium Silicate (Magnesol*)

BARIUM CHEMICALS—
Barium Carbonate†
Barium Hydrate
Barium Nitrate
Barium Oxide
Barium Peroxide
Barium Sulfide (Black Ash)†
Blanc Fixe (Barium Sulfate)
Blanc Fixe Pulp

OTHER CHEMICALS
Alumina Hydrate (Basic Aluminum Sulfate)
Alumina Hydrate Paste
Bromine, Liquid
Chloral, Technical
Chlorine, Liquid
Epsom Salt USPXIII
Epsom Salt, Technical
Gypsum, Chemical and Food Grades
Hydrobromic Acid, 48% Solution and Anhydrous
Hydrogen Peroxide, 25 Volume
Sodium Sulfide, Flake and Solid 60-62%
Strontium Hydrate

AGRICULTURAL CHEMICALS—
Benzene Hexachloride Technical—for oil emulsions, wettable and dry dust dispersions
Benzene Hexachloride Concentrates—wettable and dry dust concentrates
DDT Technical—for oil emulsions, wettable and dry dust dispersions
DDT Concentrates—wettable and dry dust concentrates
Tetraethyl Pyrophosphate (Fosvex)§
Methyl Bromide
Grain Fumigants
Soil Fumigants

SPECIALTY PRODUCTS

Tromex* — Trichlorethylene base, all-purpose metal degreasing solvent.

Magnesol* — Activated hydrated magnesium silicate, in Dry Cleaning, Petroleum and Industrial Grade.

Heptane, Normal — Certified by U. S. Bureau of Standards as a primary reference fuel.

FX Fluid — Carbon Tetrachloride base fire-extinguisher fluid.

Complete Westvaco Products List Sent on Request

Your inquiry on the current availability and price of any Westvaco Chemical will have prompt and courteous attention.

†West Coast Delivery Only *Reg. U.S. Pat. Off. §Trade-Mark

WESTVACO CHEMICAL DIVISION
FOOD MACHINERY AND CHEMICAL CORPORATION
GENERAL OFFICES • 405 LEXINGTON AVENUE, NEW YORK 17
CHICAGO, ILL. • DETROIT, MICH. • CLEVELAND, OHIO • CINCINNATI, OHIO • ST. LOUIS, MO.
LOS ANGELES, CALIF. • NEWARK, CALIF.
PLANTS AT CARTERET, N. J. • SOUTH CHARLESTON, W. VA. • WESTVACO, WYOMING
POCATELLO, IDAHO • NEWARK, CALIF. • CHULA VISTA, CALIF. • HOLLISTER, CALIF.

LIBRARY
JAN 3 1949
U.S. PATENT OFFICE

Oil, Paint and Drug Reporter

Volume 155 No. 1 | New York 7, N. Y. | January 3, 1949

Packaging Parley to Halt Shipping Losses Planned

A conference of manufacturers, insurance and shipping representatives will be held at an early date by the Office of International Trade to develop a program for improving the packaging of products moving into the export market to eliminate some of the economic waste resulting from faulty packaging that is now running into millions of dollars annually.

Serge Koushnareff, chief of the transportation and communication branch of OIT, under whose direction the conference is being planned, said that the date for the meeting will be announced later, along with a list of industry representatives invited to attend. It is expected that the conference will be held this month and among the industry people invited will be at least one from the allied chemical field, probably a representative of the drug and pharmaceutical producers.

No Estimate of Losses

No official estimate has ever been made of the losses occurring in products shipped in the export trade because of faulty packaging, but Mr. Koushnareff said that one private firm places the value of the goods damaged at $500,000,000 a year. He could not vouch for this figure, but said that it is certain that the damage is much greater today than before the war.

Most of the trouble grows out of the

—*Continued on page 86*

Streptomycin Taken Off Positive List

Streptomycin was taken off of the positive list and placed under general license for export to all destinations outside the group "R" countries of Europe and adjacent areas by the Department of Commerce last week.

The action was made effective December 24 because the drug was held to be no longer in short supply. All exports of streptomycin to group "R" destinations will still require a validated license to move out of this country.

Chemicals Testing Fees Revised by Government

The National Bureau of Standards last week announced a revision of its schedule of fees for testing of chemicals and other products both as respects standard schedule of fees, listed in the *Federal Register* of December 28, also include changes as to the description of the tests to be made and the description of the samples that are to be considered standard. The new fees and other changes became effective January 1.

Positive List Products For 1949 Now Available

A new issue of the positive list of commodities in short supply, which require export licenses for shipment to all destinations, was scheduled to be made available for distribution on December 31 by the Office of International Trade. This positive list will include new schedule B numbers for many commodities as well as all revisions in the positive list which have been made since it was last issued on October 1, 1948, in comprehensive export schedule number 26.

Exporters are requested to use the new schedule B number on license applications as soon after January 1 as possible. They are not required to use them, however, until January 31. Applications which use the old schedule B number after January 31 will not be accepted.

On the other hand, the use of the new schedule B numbers on export declarations becomes mandatory after December 31, 1948. For shipments authorized by outstanding export licenses, which carry the old schedule B numbers, exporters will be required to enter the old number on the export declaration as part of the commodity description, while showing the new number in the scheduled column.

China's 1949 Tung Oil Output Seen Near Prewar

The Office of Foreign Agricultural Relations stated on December 27 that China's tung oil production in 1949 is expected to approach the prewar average. A preliminary estimate from the American Embassy at Shanghai places the output at 126,764 short tons, compared with 115,742 short tons in 1948, and the 1934-38 average of 132,276 short tons.

Estimates of the China Vegetable Oil Corporation, released on November 20, show 120,867 for 1949 and 89,598 for 1948, but these figures do not include the output in Shensi, Anhwei, and Honan. However, tung oil production in these provinces is chiefly for local consumption.

On the basis of the 10 percent increase in production in 1949, the exportable surplus is estimated at 88,000 tons, compared with 78,843 officially recorded to have been shipped out from November, 1947, to the end of August, 1948. Total to the end of October came to 80,292 tons. However, local exporters and foreign importers are seriously concerned

—*Continued on page 64*

OAP Revokes Rule On Vested Alien Funds

General License 95 of the Office of Alien Property Custodian, which provided for the automatic unblocking of funds in this country of foreign individuals who were certified by officials of their government to be eligible for the return of their funds, was revoked effective January 1 by OAP.

In the future, OAP will make its own investigations of the eligibility of the foreign owners of the blocked funds for the return of his funds which had been blocked by the Treasury Department during the war as being enemy owned.

In the same order of revocation of General License 95, OAP also revoked General Ruling 19 which provided that when OAP vested the funds or property of a foreign owner which had previously been blocked by the Treasury Department, OAP then had sole jurisdiction over the fund or property. The ruling has been revoked as being of no further use since the treasury's functions in the field of blocked enemy assets have all been transferred to OAP.

Soybean, Flaxseed Loan Status Reported by PMA

The Production and Marketing Administration, Department of Agriculture, announced December 27 that 4,507,829 bushels of 1948 crop soybeans and 1,067,272 bushels of 1948 crop flaxseed were placed under Commodity Credit Corporation price support loans through November 30, 1948. Price support purchase agreements as of that date covered 362,051 bushels of soybeans and 996,784 bushels of flaxseed. Final date for obtaining loans and purchase agreements on 1948 crop soybeans and flaxseed is December 31, 1948.

FDA Would Tighten Rules on Antibiotics

Drug industry representatives engaged in the production of several new antibiotics and other interested parties have been invited to Washington for a conference on January 12 with officials of the Food and Drug Administration to discuss setting up a certification procedure for these drugs.

Three products will be principally involved in the discussions. They are chloromycetin, product of Parke, Davis & Co., Detroit; aureomycin, produced by Lederle Laboratories Division, American Cyanamid Company, New York, and bacitracin, being manufactured chiefly by the Upjohn Company, Kalamazoo, Mich., and Commercial Solvents Corporation, New York.

The only antibiotics which are now subject of certification or protesting by the Food and Drug Administration before they can be marketed are penicillin and streptomychin. In order to certify the purity and potency of the three newest products in this field, the law will have to be modified accordingly.

Piecemeal Amendments

It is expected that much of the discussion at the meeting will center around the question whether continuous piecemeal amendments of the law should be sought as new antibiotics come on the market, or whether an entirely new chapter should be written into the statute books which would give FDA general authority to certify any antibiotic after public hearings.

The sentiment at FDA is generally in favor of proceeding along the latter line, while, in the case of industry, it is divided and might be said to lean more in the direction of piecemeal legislation. Some industry representatives expressed the view that while they have no fear that the present officials of FDA would abuse the authority placed in their hands by general legislation, the directorship of the agency is subject to change and at some future date the agency may be manned by persons whose policies are entirely different from those of the present.

Definition of Term

Another point in question is the difficulty of writing a definition of the term "antibiotic" which is not so all encompassing as to extend the powers of the FDA far beyond those originally intended. The term "antibiotic" means to kill life, and unless some way was found to limit its definition to products intended to be covered, it is conceivable that the agency at some future date might even interpret its power to include certification of alcohol, for example.

The FDA admits that it probably would be difficult to write a definition that would not be too lengthy and at the same time sufficiently limited to cover only the products intended, but it believes that it can be done. However, it is unlikely that it would go before Congress and request a general power unless it has the majority support of the drug industry.

Penicillin Certification Rules Amended by FDA

The Food and Drug Administration on December 23 amended its regulations for the certification of penicillin, modifying the packaging requirements for water-soluble salts of penicillin; for the use of procaine penicillin in the manufacture of penicillin ointment, and for the use of crystalline penicillin in the manufacture of penicillin sulfonamide powder. The amendments became effective immediately.

It was also announced that the expiration date for penicillin troches manufactured with crystalline sodium potassium, or procaine penicillin has been extended from nine months to twelve months, and that the refrigeration requirements for these penicillin products have been removed from the regulations.

ICC Continues Charges

The Interstate Commerce Commission has ordered a six months continuance of demurrage charges on railroad freight cars set forth in Revised Service Order 775. The charges, which were due to expire December 31, were extended until July 1 by order of the commission last week.

Price Trend Dips Some More

The markets for chemicals, oils, and drugs had a further price dip last week, largely from the influence of reductions in quotations on coaltar basic materials, with some assistance from the fats and oils division. Inorganic chemicals were headed upward, but most of their changes did not take effect until after the holiday. Today's level, therefore, will be higher than last week's close. The overall price index was pushed down 1.1 points. The yearend mark was 7.4 points, or 5 percent, below that for 1947.

Changes over the year in price indexes for the various major divisions of the markets were as follows:—

	Change (percent)
Botanical drugs	—19.6
Coaltar chemicals	+ 0.7
Drugs and fine chemicals	+ 0.9
Essential oils	—32.1
Fertilizer materials	+ 12.6
Heavy chemicals (including acids)	+ 11.0
Oils and fats	—26.7
Paint materials	+ 23.1
Textile and leather chemicals	— 7.8

The weakening of the coaltar price structure came from a shift of yearend cuts to a week earlier. Some of the announced cuts were rescinded during the week; but the earlier indications of strengthening were much overshadowed. The weakness in fats and oils was largely on the animal side; in fact, crude cottonseed and peanut oils were advanced. Continued lack of interest was the depressant; it also peeled something off the recently boosted price of quicksilver.

Only one metallic salt—pharmaceutical zinc chloride—was moved up in sympathy with the position of nonferrous metals. But, the list of such which will start the new year higher comprises most of the chromes and zincs in the paint field and several cyanides. Nickel salts are in the balance. Britain is cutting in heavily on the European demand for copper sulphate. Some of last Fall's rumors about higher quotations on metallics generally have disappeared in the new atmosphere of price conservatism.

Actual effects and increasing fears of the peacelessness in the Far East continue to be manifested in the spice, essential oil, and other groups. The week had most of the dry and wet natural aromatics going up. There was also an upping of pyrethrum and preparations thereof, not for the same reason, nor was the break in copra prices.

Business was dull. Everybody was glad the yearend had come. But, there was far less expectation than in September of a general advancement of prices. Talk now has to do more than a little with a possible recession.

OPD Price Index

The OIL, PAINT, AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 30, 1948	Dec. 23, 1948	Jan. 2, 1948
142.0	143.1	149.4

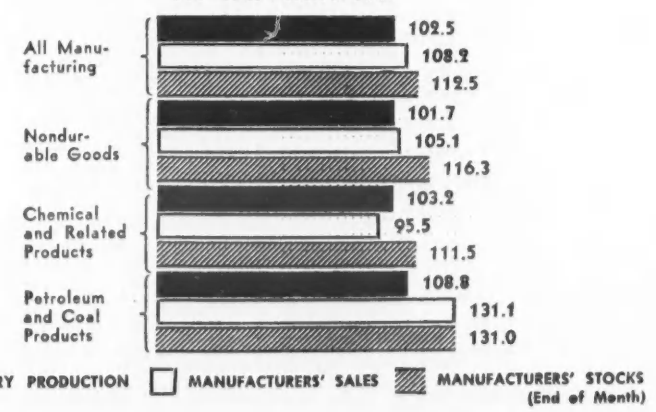
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1948	1947	1946	1945	1941
January	150.4	150.9	135.3	133.0	107.8
February	147.2	151.9	135.4	133.2	110.3
March	146.2	154.9	135.2	132.7	111.9
April	146.2	152.3	134.9	132.2	115.5
May	146.7	146.1	135.1	132.5	118.2
June	147.3	143.9	135.4	132.5	121.9
July	145.9	142.5	137.7	133.5	125.5
August	144.4	140.4	136.6	133.9	126.2
September	144.3	141.9	137.0	134.0	130.4
October	143.7	146.1	145.1	133.5	133.2
November	144.4	149.7	149.2	134.0	135.1
December	143.5	150.4	150.2	134.8	140.3
The year	145.9	147.6	138.8	133.8	123.2

Business in October, 1948

100=Same Month in 1947



Chemical Prices Revised on Jan. 1

Price schedules on forty-four chemicals and related products were revised by major producers, effective January 1. Below are listed the products on which quotations were revised and the extent of the changes, while the new prices will be found in the various "market reports." The new schedules will be reflected in OPD's section on Current Market Quotations in the issue of January 10.

Prices Advanced

Ammonia nitrate, domestic, $1.50 per ton.
Anhydrous ammonia, cylinders, 1c. per lb.
Anhydrous borax, $7.50 per ton.
Anthraquinone, 5c. per lb.
Asbestos, $3 per ton.
Borax, tech., USP, $5 per ton.
Boric acid, tech., USP, $10 per ton.
Carbon bisulphide, ½c. per lb.
Carbon black, channel, beads, 8/100c. per lb.
Carbon tetrachloride, ½c. per lb.
Caustic potash, 30c. per 100 lbs.
Chrome green, CP, 2c. per lb.
reduced, 1c. per lb.
Orange, CP, 2½c. per lb.
Yellow, CP, 2½c. per lb.
Copper cyanide, 2c. per lb.
Diethanolamine, ½c. per lb.
Ethyleneglycol, ½c. per lb.
Ethylene oxide, 1¾c. per lb.
Furnace black, very fine, 8/100c. per lb.
Metallic sodium, 2c. per lb.
Methanol, zone 1, drum, carlots, 1½c. per gal.
l.c.l., 1c. per gal.
Zone 2, drum, carlots, 2c. per gal.
l.c.l., 2c. per gal.
Methylene blue, USP, 21c. per lb.
Molybdate orange, 2c. per lb.
Monoethanolamine, ½c. per lb.
Perchloroethylene, ¼c. per lb.
Potassium carbonate, 25c. to 30c. per 100 lbs.
Sodium cyanide, 2c. per lb.
Sodium-formaldehyde sulphoxylate, 2c. per lb.
Sodium hydrosulphite, 1½c. per lb.
Sodium perborate, 1c. per lb.
Sodium peroxide, 2c. per lb.
Sulphur dioxide, $3 to $5 per ton.
Trichloroethylene, ½c. per lb.
Triethanolamine, ½c. per lb.
Vermilion red, American, 2½c. per lb.
Zinc cyanide, 2c. per lb.
Hydrosulphite, 2c. per lb.
Oxides, all grades, 2c. per lb.
Yellow, 1½c. per lb.
Zinc-formaldehyde sulphoxylate, normal, 4c. per lb.
Sulphoxylate, basic, 2c. per lb.

Prices Reduced

Epsom salt, technical, 15c. per 100 lbs.
USP, 15c. per 100 lbs.

Parenteral Drugs Standards Hearing in N.Y. January 11

A meeting will be held of drug industry representatives at the Pennsylvania hotel, New York, on January 11 for further discussion of the question of modifying the USP and NF standards on clarity of parenteral solutions.

The meeting was called by Dr. E. Fullerton Cook, chairman of the USP revision committee, and will be attended by representatives of the pharmaceutical contact committee of the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association, the National Formulary, and the National Institute of Health.

The present USP and NF requirements that parenteral solutions be "substantially free" of foreign matter have been found to be unsatisfactory by the government. The problem is to work out a new definition or a tolerance standard that will provide industry with a better guide as to the requirements of law in the manufacture of these products.

SOCMA Names Publicity Committee 1949 Members

The Synthetic Organic Chemical Manufacturers Association has appointed Hugh Craig, editor of OIL, PAINT AND DRUG REPORTER, chairman of its publicity committee for 1949. Other personnel of the committee is as follows:—F. A. Adams, *Rayon and Synthetic Textiles;* W. S. Auchincloss, OIL, PAINT AND DRUG REPORTER; M. D. Reeser, *American Dyestuff Reporter,* and E. H. Killheffer, E. I. du Pont de Nemours & Co., ex officio.

Pa. Industrial Chemical Plans Distillation Plant

Pennsylvania Industrial Chemical Corporation, Clairton, Pa., is planning the erection of a new $1,000,000 distillation plant near West Elizabeth, Pa., The company expects to complete the installation of an entire distillation unit for the separation of precision fractions of aromatic oils in about six months.

Alkali Exports Eased

Effective January 1, 1949, validated licenses will not be required to export caustic soda and soda ash to destinations outside the Group "R" countries of Europe and adjacent areas, the Department of Commerce announced on December 28 through its Office of Iinternational Trade. These commodities have been taken off the Positive List of commodities in short supply, OIT officials said, because of improved world production.

Pennsylvania Salt Forms Export, Import Company

The Pennsalt International Corporation has been organized as a subsidiary of the Pennsylvania Salt Manufacturing Company, Philadelphia, to take over the foreign interests of the parent organization. Richard L. Davies has been named president of the new firm and John H. S. Barr has been appointed vice-president.

Richard L. Davies

The new company will import and export chemicals and raw materials and will handle imports for the parent company. In addition, it will handle the exchange of technical information relating to chem-

—*Continued on page 63*

Wins Perkin Medal

Carl S. Miner, founder and director of the Miner Laboratories, Chicago, which took a leading part in the development of the furfural industry, has been awarded the 1949 Perkin Medal of the American section of the Society of Chemical Industry.

Eagle-Picher Appoints Pacific Pigments Agent

The Eagle-Picher company, paint materials manufacturer, Cincinnati, Ohio, has announced that, effective January 1, all its lead and zinc pigments and oxides for distribution in Pacific Coast areas will be handled by the Associated Lead & Zinc Company, Seattle.

OIT Eases Regulation On 'Evidence of Order'

The Office of International Trade has relaxed its requirements that applicants for export licenses for shipment of positive list commodities submit clear evidence of an accepted order from the foreign buyer. Instead of submitting such evidence, the applicant now must certify that he holds an accepted order for the commodities included in the application. The change was made effective December 24.

OIT emphasized that this change in procedure in no way affects the existing requirement that applicants must have an accepted order for the listed commodities. However, documentary evidence of the accepted order for such commodities should no longer be submitted.

The certificate of compliance with the accepted order requirement must appear on or be attached to the application, and the applications which do not carry this certificate will be returned without action. In order to insure compliance and secure uniformity of observance by exporters, OIT will systematically, on a sampling basis, call upon applicants to furnish the documentary evidence in support of the certificate.

ECA Announces Additional Procurement Authorizations

New procurement authorizations issued during the period December 24 through December 29 by the Economic Cooperation Administration amounted to $35,226,000 of which $28,916,000 were to be spent for products in the United States. The new authorizations raised the total to date to $4,214,059,000. Among the authorizations were the following:—

To Austria—$300,000 for medicinal and pharmaceutical preparations, $268,000 for non-metallic minerals, except petroleum, all from the United States, and $5,000 for non-metallic minerals, except petroleum, from Canada.

To Bizone Germany—$83,000 for oilseeds from Latin America.

To France—$24,000 for chemicals and chemical preparations (excluding fertilizers and fertilizer materials and synthetic rubber), $67,000 for industrial chemicals other than alcohol, all from the United States; $13,000 for industrial chemicals other than alcohol from Canada; a decrease of $2,000 for lead and lead products from Mexico; $474,000 for lead and lead products from Canada; and $1,526,000 for lead and lead products from Latin America.

To French Zone Germany—$57,000 for

—*Continued on page 63*

Freeport Sulphur Elects Wingfield Vice-President

Freeport Sulphur Company, New York, has elected E. D. Wingfield a vice-president. Mr. Wingfield, who was formerly the company's general manager, will be in charge of its southern operations and will have offices in New Orleans. He joined the Freeport organization in 1933 and has held operating, sales and executive positions.

Contents of This Issue

Allied Asphalt Agent in Louisville..... 77
Antitrust Law Section to Meet..... 7
Anti'ny Sulphide Export Quotas: Jan.-Mar. 43
Arnott Tuteur Sales Director..... 7
Atomic Energy Secrecy Veil Lifting Proposed. 7
Aviation Gasoline Survey Reported..... 49

Beaumont Birch Appoints Transeau..... 44
Boyle-Midway Distributing Deodorizer..... 44
Britain Amends Therapeutic Products Rules. 58
British Paint Research Group Elects..... 77
Burke Joins Bacon Chemical..... 44
Buffalo Solvents Named Agent..... 83

Calif. Chemical Salesmen Elect Oliver..... 60
Calgon Advances Utesch..... 78
OAP Revokes Rule on Alien Funds..... 3
CCC Seeks Vegetable Oils..... 5
CDIC Paint Techs Discuss Ink..... 78
Chemicals Testing Fees Revised..... 3
China's 1949 Tung Oil Output Seen Higher. 3
Cohn to Deliver Stieglitz Lecture..... 58
Commerce Indus. Chemicals Opens Office.. 78
Comm'l Solvents Elects..... 73
Continental Can Appoints Perin..... 65

DeBell & Richardson Moves Offices..... 44
Dihydrostreptomycin Data Published..... 60
Drug Law Section of N.Y. Bar Assn. to Meet 7
Du Pont to Award 77 Fellowships..... 7
Du Pont Develops New Enamels..... 78
Du Pont to Survey Plutonium Processes.... 5

Edible Oil Institute Elects Alonge..... 83
Ethyleneglycol Export Quotas: Jan.-March. 58

Fertilizer from Cotton Gin Waste..... 86
Fritzsche Holds Sales Conference..... 68

Gas Tech. Fellowships Available..... 45
Grey Heads FDA Boston Station..... 65

Holiday Mementoes Received..... 73
Hospital Pharmacists Elect..... 58
House Committee Asks Monopoly Curb..... 5

ICC Continues Charges..... 3
Indonesian Exports: Jan.-Aug..... 68
Int'l Paper Elects Doane..... 5
Italy Permits Export of More Products..... 59

Koppers Names Francis East Traffic Head. 63

Lakeside Labs Planning Research Program. 59
Lead Chemical Export Quotas: Jan.-Mar.... 79
Linseed Oil Statistics Reported..... 83
Lithgaw Opens Connecticut Plant..... 37
Logcher to Study Latin American Markets. 68

MCA Assigns Crass..... 65
McCormick Names Beane..... 73
McK. & R. Makes Harris..... 73
Merck Appoints Frolich..... 5
Midlan Gasoline Stock Sold..... 49
Miss. Chemical Plans Nitrogen Project..... 86
Monomeric Styrene Process Described..... 77
Monsanto Advances Bergen..... 78

Nat'l Distillers Make Chlorine, Soda Metal. 5
National Lead Forms Div..... 5
Nitrogen 15 Compounds Announced..... 86
NPVLA Plans Trademark Direc. Supplement 77
N.Y. Paint Technicians Plan Meeting..... 77

ODC Lists New Patents..... 80
Oil Compact Elects Carlson..... 49
Oils, Fats Production, Consumption: Nov. 80
Oil Trades Assn. to Meet..... 7

Packaging Parley Planned..... 3
Paraffine Companies Holds Conference..... 78
Parke, Davis Appoints Anderson..... 5
P.A.'s-Eye View of Business..... 5
Penicillin Certification Rules Amended..... 3
Phenol Export Quotas: First Quarter..... 52
Phila. Chemical Club Installs..... 44
Phila. Paint Technicians Meet..... 77
Phila. Paint Club to Meet..... 78
Positive List for 1949 Available..... 3
Pratt & Lambert Plans Celebration..... 78

Reads Celebrate 50th Anniversary..... 78
Reinhold Issues Catalog..... 44
Resorcinol Technical Data Published..... 52
Rho Chi Organized at Georgia U..... 60
Rubber Exports: Oct..... 43

Schering Adds to Staff..... 58
Sinclair Building Oil Terminal..... 45
Snell Appoints Mahoney..... 68
Snell Issues Booklet..... 43
So. Alkali, Pittsburgh Plate Up Higgins.... 43
Sorbonne Research Labs Organized..... 65
Soybean, Flaxseed Loan Status Reported.... 3
Staber Leaves Standard-Vacuum..... 44
Stanolind Names Plant Superintendents.... 49
Streptomycin Off Positive List..... 3
Sumner Chemical Names Holmes..... 60
Synvar Corp. Has Phenolic Compound..... 45

Toronto Chemists Elect Sneyd..... 43
Truckers Petition for Rate Making Right.. 5
Tung Growers Council Organized..... 7

Ungerer Holds Sales Meeting..... 68
U.S. Revenue Returns: November..... 59
Western Oil & Gas Assn. Elects Taylor..... 78
WHO Approves Pharmacopoeia..... 58

General Features

Advertising Index..... 87
Association Meeting Dates..... 7
Bids Wanted..... 64
Book Reviews..... 69
Classified Advertisements..... 86
Coke By-Products..... 50
Consulting Chemists and Engineers..... 69
Crude Oil Stocks..... 48
Current Market Quotations..... 9
Editorials..... 38
Foreign Market Lists..... 4
Foreign Sales Leads..... 5
Imports..... 62
Imports Detained..... 71
Industrial Chemical Uses..... 7
Obituaries..... 73
OPD Price Index..... 3
Trade Briefs.....43, 44, 45, 49, 59, 60, 77, 78, 83
Washington Talks It Over..... 5
Who Has It..... 4

Market Reports

Agricultural Chemicals..... 46
Botanical Drugs, Spices, Gums..... 71
Coaltar Chemicals..... 50
Drugs and Fine Chemicals..... 55
Essential Oils, Other Aromatics..... 66
Fertilizer Materials (see Agric. Chem.),
Heavy Chemicals..... 40
Oils, Fats and Waxes..... 81
Petroleum Derivatives..... 48
Protective Coatings Materials..... 74
Textile and Leather Chemicals..... 53

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Antimony fluoride.
Dihydroxyanthranol.
6-7, Dihydroxybenzofuranone.
1,5-Dihydroxynaphthalene.
Diphenylcresylphosphate.
Di-tertiary-butoxydiaminosilane.
Ethyl diethanolamine.
Laurophenone.
Methoxybutyl acetate.
Methyl parastearylaminophenyltrimethyl ammonium.
Myristyl sodium sulphonate.
Potassium tetraoxide.
Sulphydryl pentathionate.
3-Sulphododecyl sodium benzoate.
Vinyl phosphate.
Zinc-diethyl.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 for a list for any one country:—

Chemical importers, dealers—France.
Medicinal and toilet preparation importers, dealers—Portugal.
Oil (animal, fish, vegetable) importers, dealers, etc.—Brazil.

Oil, Paint and Drug Reporter, Vol. 155, No. 1, January 3, 1949. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1949, by Schnell Publishing Company, Inc.

CCC Seeks Vegetable Oils for Export Program

The Commodity Credit Corporation is in the market for purchase of unlimited quantities of babassu nut kernels, crude rapeseed oil and meal, semi-refined peanut oil and crude mustard seed oil for export under the European Recovery Program.

The agency also announces that it will receive offers up to 5 p.m. on January 4 for purchase by it of 881,840 pounds of edible tallow, also for shipment under the ERP. The bids must be on a f.a.s. New York port area basis and the tallow must be packed in wooden tierces suitable for export. Bids will be received under announcement 5067.

Offers for the other materials will be received by CCC at any time between the hours of 9 a.m. and 5 p.m. from Monday through Friday. The announcements state that in making deliveries the ECA shield must be attached to the shipment.

Copies of the bid specifications may be obtained from the Commodity Credit Corporation. They are announcements number 5063, babassu nut kernels of Brazilian origin; 5064, semi-refined peanut oil of Brazilian origin; 5065, crude rapeseed oil and meal of Canadian origin; and 5066, crude mustard seed oil of Canadian origin. The bid announcement for inedible tallow is 5067.

Truckers Petition ICC For Rate Making Authority

An application for collective rate making authority with immunity from antitrust law liability was filed with the Interstate Commerce Commission December 30 by the American Trucking Associations, Inc., on behalf of 5,342 common carrier truck lines and five freight forwarding companies.

All are party to the National Motor freight Classification, published by ATA. The major purposes of the classification are (1) to provide all carriers who desire it a scientific and uniform classification of articles of commerce, and (2) to provide such a service at the lowest possible cost.

Nat'l Distillers to Make Chlorine, Metallic Sodium

The National Distillers Products Corporation, New York, will construct a $10,000,000 plant in Ohio for the manufacture of metallic sodium and chlorine, the company announced last week. Site of the new plant has not as yet been determined.

A wholly-owned subsidiary of National Distillers will be organized in the near future to build and operate the plant, and the company has entered into a contract with E. I. du Pont de Nemours & Co., Wilmington, Del., to obtain licenses for the manufacturing processes involved.

Merck Appoints Frolich Research Vice-President

Dr. Per K. Frolich, director of research and development of Merck & Co., manufacturing chemist, Rahway, N. J., has been named the company's vice-president for research and development.

Dr. Frohlich joined the Merck organization as coordinator of research in 1946, and in the following year was made director of research and development. Dr. Randolph T. Major, who preceded Dr. Frolich as director of research and development, continues as vice-president and director of all scientific activities of the company.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with OPD office:—

Abrasives, Turin, Italy (DA-9, agency).
Chemicals, Tokyo, Japan (DA-10, agency).
Drugs, Lichtenfels, Germany (DA-7, agency).
Essential oil manufacturing plant, Catania, Italy (DA-1).
Fats, Hamburg, Germany (DA-8, agency).
Lubricants, Turin, Italy (DA-3, agency and purchase).
Oil seeds, Tokyo, Japan (DA-10, agency).
Paint, Bogota, Colombia (DA-6, agency).
Rosin, Genoa, Italy (DA-4).
Soap, Tokyo, Japan (DA-10, agency).
Spices, Bologna, Italy (DA-2, agency).
Tallow, Genoa, Italy (DA-4), Hamburg, Germany (DA-8, agency).
Tanning materials, Genoa, Italy (DA-5, agency).
Vegetable oils, Tokyo, Japan (DA-10, agency).
Waxes, Lichtenfels, Germany (DA-7, agency).

P.A.'s-Eye View of Business

Composite view, December 26, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents

The forecast by industrial purchasing executives, in the November report, that industrial activity would continue to decline in December, is now confirmed, with an even greater slowing up than was anticipated. December reports, for the first time since the war, record more production declines than increases, and by three to one. Back-order books reflect conditions by a marked falling off, with 50 percent reporting reductions, while 40 percent maintain the same position of a month earlier, and 10 percent show increases. The reports would indicate that declines are more pronounced than would be caused by normal seasonal influences.

Purchasing agents' appraisals of immediate future trends are mixed, but seem to fall about equally into three general groups of opinion, each representing views of both large and small buying organizations:—

(1) The present softness is seasonal, overemphasized by peak production and supply satisfying demand in many lines; that adjustments now being made will create a new balance in a short time; and that business will pick up after the first of the year, then be good for several months, though somewhat lower than 1948.

(2) That the trend is definitely down and will continue to recede until it reaches a competitive level—not a bust, but a gradual adjustment to lower levels of prices and production.

(3) The short-range, hesitant attitude will continue until Congress meets and the Truman program is known and analyzed. The proposals on taxes, labor laws, and government spending will have considerable influence on plans, programs and, in general, business confidence.

Regardless of the differences in these opinions, Purchasing agents are unanimous in the conclusion that the situation calls for the utmost caution in commitment and inventory policies.

Commodity Prices

The trend is from a balanced position to softening. Competition is stronger; sales pressure greater. The switch from sellers' to buyers' markets is evident in several industries. It is significant that, while ferrous and nonferrous metals are strong and may continue so for some time, "outside markets" in steel, copper, and lead at premium prices are drying up. Conversion deals in these metals are declining. Cast iron and steel scrap are lower. Growing price resistance at the retail level is reported.

Inventories

Purchased industrial inventories took a sharp drop in December. The largest number this year (43 percent) report lower inventories this month. Those reporting increases most often attribute the cause to production cutbacks and lower employment. Industry winds up the year in a conservative inventory position. The policy is to continue it.

Buying Policy

The close buying policy reported last month—98 percent in the "ninety-day and under" category — continues, but with some further restriction because more are on a "hand-to-mouth to sixty-day" coverage. Extended commitments frequently are being cancelled. Deliveries on overbought current needs are being deferred. Holding future industrial purchases to planned production schedules is the order of the day.

Specific Commodity Changes

By number of items, there are more products down than up this month. Pricewise, the markets are softening, and materials are more quickly available. "Outside market" premium-price offerings of metals are finding little acceptance. Careful screening of ECA commitments for critical materials may relieve the present pressure on markets from government stockpiling and domestic demands.

Up were:—Brass products, electrotypes, ferrosilicon, hand tools, lead pigments, mercury, nitrogen, oxygen, porcelain, rope, shellac, titanium oxide.

Reported down:—Alcohol, canvas gloves, chinawood oil, coal, paper containers, cornstarch, foodstuffs, fuel oil, furs, gasoline, leather, lumber, vegetable oils, paper, radios, rubber, scrap steel, silver, soap, some textiles.

Hard to get:—Lead, copper, zinc, steel, aluminum, ammonia, chromic acid, steel drums, line equipment, nails, nickel, steel office equipment, phenol, pipe, tin.

Easing supply: — Fatty acids, alcohol, cement (some areas), better grades of coal, containers (except steel), cotton, food, fuel oil, glycerin, steel scrap, better grades of lumber, paper.

Employment

Employment is definitely off and more than seasonally: 34 percent report layoffs and shorter hours. Unskilled labor is reported much easier to obtain. In some areas, skilled workers are seeking employment. Fewer strikes are reported.

Canada

Canadian general business appears to be holding better than in the United States. Production has increased, but back orders are somewhat down. Price trend is lower. Inventories unchanged. Employment down about the same as in the United States. Buying policy is under ninety days.

Washington Talks It Over

By Ralph L. Cherry

The primary aims of the Marshall Plan to place Europe back on its feet, economically speaking, so that it can again move forward under its own industrial momentum without too much dependence upon outside sources for supplies, is now beginning to develop. The trend away from meeting the immediate needs for Europe to the long-term pull of raising the level of industrial production with ECA dollars has now set in.

An examination of the procurement authorizations since the start of ECA functioning shows that an increasingly larger slice of the ECA dollar is going for the purchase of machinery, equipment, and other capital goods, and less emphasis is being placed on feeding people. This has been made possible largely by the 25-percent increase in western European food production over last year, but also by the emphasis that ECA is now placing upon the use of its funds by the recipient countries.

In the period from April 3 through June 30, 41 cents of the ECA dollar was authorized for purchase by recovery nations of industrial equipment and commodities, compared with 59 cents for food and agricultural commodities. In the July-September quarter, the ratio narrowed to 48:52. In the half-quarter period October 1-November 15, industrial procurement authorizations took a 60:40 lead. This ratio has held, if not increased for the full quarter ended December 31.

Samuel W. Anderson, director of the ECA industry division, says that American manufacturers of machinery can expect continued growth of orders in both unit quantity and dollar value. The trend indicates that more capital goods will be allocated by the European countries to be purchased with ECA dollars than ever before. This growth should accelerate as western Europe's production lines gain momentum.

Montecatini-Cyanamid Pact

Some weeks ago announcement was made in Italy that an agreement had been entered into between Montecatini and American Cyanamid involving the exchange of information between the two companies in certain chemicals fields. The phrase, "exchange of information," is so elastic, however, that by the time the news dribbled to this country it had been blown

—*Continued on page 38*

Int'l Paper Elects Doane Sales Vice-Pres

Richard C. Doane has been elected vice-president in charge of sales for the International Paper Company, New York. He will resign as vice-president and general manager of the Canadian International Paper Company and will return to New York from Montreal.

National Lead Forms Div.

The National Lead Company, New York, has formed a new division, known as the St. Louis Smelting & Refining Division, which took over the operations of the St. Louis Smelting & Refining Company and the St. Louis Smelting & Refining Works on January 1.

House Committee Asks Tighter Monopoly Curb

The house small business committee investigating monopolistic and unfair trade practices last week called for a revitalization of the Federal Trade Commission and new teeth in the enforcement of the antitrust laws.

In a report made public December 29 the committee made sixteen recommendations for study by Congress, including a consideration for repeal of exemptions under antitrust law, such as those granted the railroads, labor unions and insurance companies.

Among the committee's recommendations were the following:—

1. Adequate penalties in the antitrust act. The committee said that lack of proper penalties for Sherman act violations is the major reason for the law's failure to "arrest and reverse the growth of trade restraints."

2. Increased appropriations for the antitrust division of the Department of Justice and the Federal Trade Commission.

3. Creation of a by-partisan antitrust court to facilitate trial of such cases and to provide judges with special knowledge of the antitrust laws.

4. Enactment of the perennial recommendation of the FTC that the Clayton act be amended so as to prohibit the purchase of the assets of a corporation by its competitor.

5. Legislation to prohibit manufacturers from dictating what products may be sold by their independent distributors.

6. Outlawing of consent decrees or pleas of nolo contender in violations of antitrust laws.

7. Increased authority to the FTC to issue cease and desist orders.

8. Direction to the FTC to step up its program of investigations of alleged monopolies.

The committee said that the commission should report to Congress on the desirability of eliminating vertical integration in manufacturing and distribution. The industries which the committee has in mind particularly are oil, steel, aluminum, rubber and automotive parts, it was stated. Elimination of this type of integration, for example, would require an oil company to get rid of all but one of its activities, such as producing, refining, transportation and retailing.

Du Pont to Make Survey Of Plutonium Processes

The Atomic Energy Commission announced December 27 that E. I. du Pont de Nemours & Co., Wilmington, Del., will survey the total problem of research and engineering involved in improving the chemical processes used in production of plutonium.

Since it assumed direction of the atomic energy program in January, 1947, the commission has given close attention to developing of improvements in the chemistry of plutonium. The complex studies required have been undertaken by several different institutions and industrial concerns at a number of different locations.

In order to make sure that the commission staff has the benefit of the widest range of expert advice in developing the total program for solving the many problems involved, the commission has obtained the services of the duPont company in examining the entire scope of work that needs to be undertaken.

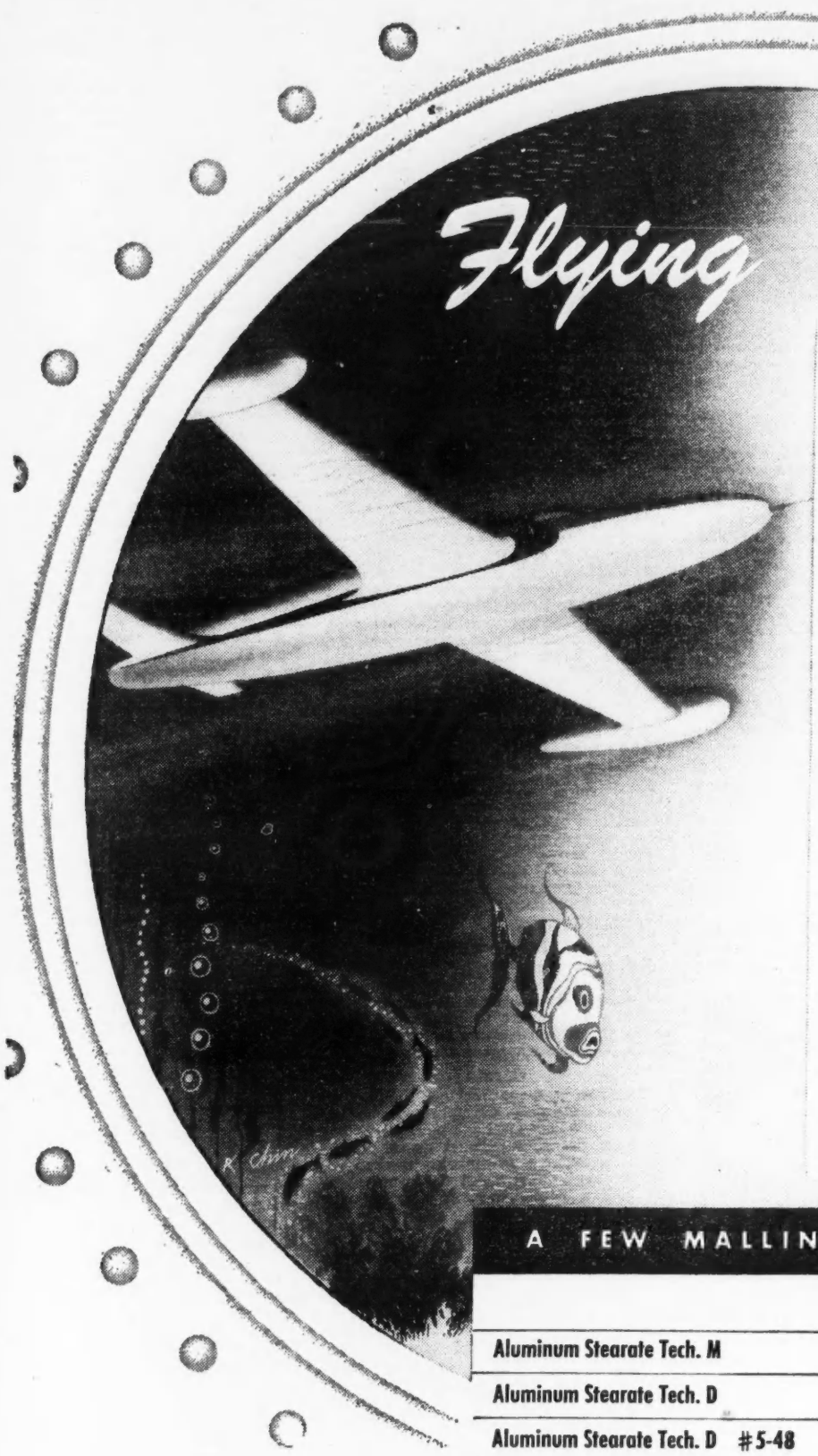
The survey is expected to lead to important conclusions and recommendations concerning the plutonium chemistry development program, and to measures which will integrate the program into the strongest possible attack on this vital phase of atomic energy development.

Parke, Davis Appoints Anderson Superintendent

Thomas C. Anderson has been appointed general superintendent of Parke, Davis & Co., drug manufacturer, Detroit, succeeding the late Alec D. Webb who held the post for ten years before his recent death.

A chemical engineering graduate from the University of Michigan, Mr. Anderson joined the company's extract department in 1921 and eleven years later was named superintendent of the firm's laboratories in Walkerville.

He returned to Detroit in 1939 as assistant superintendent of manufacturing and three years later was transferred to the purchasing department as engineering advisor and, later, as senior buyer of drugs and glands. He was named purchasing agent in 1945, assistant secretary of the company in April, 1947, and assistant to the general manager three months later.



Flying UNDER WATER

Aircraft engineers have actually towed full scale airplanes under water—several fathoms down—in their search for better design and construction. Low speed in water was used to simulate high speed in air. Records automatically made of stresses and strains during the tests located weaknesses in the plane. Genius of the aircraft industry in developing punishing and revealing tests and in building its product to meet them are the foundation of its success.

Less spectacular but equally searching are the many tests which **Mallinckrodt stearates** meet. Superior, too, are the products developed by this constant searching for weakness, this constant striving toward perfection.

Valuable in a variety of applications—gelling, coating, lubricating, releasing and repelling moisture—**Mallinckrodt stearates** are made to exacting specifications. Uniform dependable purity characterizes each type and grade.

A FEW MALLINCKRODT STEARATES

	BULK	METALLIC OXIDE	ACETONE EXTRACTABLE	MELTING POINT
Aluminum Stearate Tech. M	50-55 fl. oz./lb.	14-15%	6.6-7.5%	190-200° C
Aluminum Stearate Tech. D	50-55	8.4-8.7	6-7	155-160
Aluminum Stearate Tech. D #5-48	45-50	8.7-8.9	6-7	155-160
Flatting Agent No. 22	60-65	8.4-8.7	9-10	145-150
Aluminum Stearate Fluffy	60-65	8.4-8.7	6-7	145-150
Aluminum Stearate Tech. TD	85-95	7.5-8.0	12.5-13.5	125-130
Aluminum Stearate Tech. T	60-65	6.0-6.5	24-25	105-110
Ammonium Stearate Tech.	30-35	———	decomposes	decomposes
Calcium Stearate Impalpable Powd. Gr. A	130-150	8.8-9.3	0.5-1.0	145-150
Calcium Stearate Tech. Bulky Gr. A	130-150	8.8-9.3	0.5-2.5	145-150
Magnesium Stearate Impalp. Powd. Gr. A	115-130	7.5-8.0	0.5-1.0	125-130
Sodium Stearate Tech. Grade A	35-40	9.5-10.5	———	175-180
Zinc Stearate Tech.	130-150	13-14	1-2	112-117
Zinc Stearate U.S.P. XIII Grade A	130-150	13-14	1-2	112-117

QUALITY CHEMICALS TO MATCH YOUR SKILL

FINE CHEMICALS Mallinckrodt SINCE 1867

MALLINCKRODT CHEMICAL WORKS

82 YEARS OF SERVICE TO CHEMICAL USERS

Mallinckrodt St., St. Louis 7, Mo.
72 Gold St. New York 8, N. Y.

CHICAGO • CINCINNATI • CLEVELAND
LOS ANGELES • MONTREAL • PHILADELPHIA
SAN FRANCISCO

Industrial Application Of Chemicals

"Where You Can Sell"

Fully Protected by Copyright

Chloronitroparaffins

Chemical—Starting point in making new organic compounds.

Miscellaneous—Fumigant for industrial purposes.

Rubber—Antigelling agent in rubber cements.

Chlorophyl

(Additional uses, supplementary to those in the book, Uses and Applications of Chemicals and Related Materials)

Pharmaceutical—Suggested for investigation in combatting deep-lying infections, cleansing wounds, relief of chronic sinus conditions and common head colds, treating gum diseases, controlling the offensive odor from certain anaerobic infections, such as peritonitis.

Copper Fluoborate

Electroplating—Electrolyte claimed to deposit copper at a higher rate than any other known acid bath, as semibright, fine-grained and ductile coatings, as well as heavy deposits when desired; to offer unusual simplicity of control; to require no addition agents.

Cyclohexyl Sulpho-N-dimethylamide

Adhesives—Plasticizer (Brit. 520162) in adhesives compositions containing cellulose esters or ethers.

Ceramic—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating ceramic articles.

Chemical—Solvent and plasticizer (Brit. 520162) for cellulose esters and ethers.

Cosmetic—Plasticizer (Brit. 520162) in nail enamels and lacquers containing cellulose esters or ethers as base material.

Electrical—Plasticizer (Brit. 520162) in insulating compositions, containing cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Leather—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating — Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (Brit. 520162) in coating compositions, containing cellulose esters or ethers, used for protecting and decorating articles of various kinds.

Paint, Varnish, and Lacquer—Plasticizer (Brit. 520162) in paints, varnishes, lacquers, enamels, and dopes containing cellulose esters or ethers.

Paper—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Photographic—Plasticizer (Brit. 520162) in making films from cellulose esters or ethers.

Plastics—Plasticizer (Brit. 520162) in making laminated-fiber and molded articles, and plastic materials from or containing cellulose esters or ethers.

Resins—Plasticizers (Brit. 520162) in resin compositions containing cellulose esters or ethers.

Rubber—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics.

Wood—Plasticizer (Brit. 520162) in compositions, containing cellulose esters or

—Continued on page 61

Drug Law Section of N.Y. Bar Ass'n Meets Jan. 27

The fourth annual meeting of the section on food, drug and cosmetic law of the New York State Bar Association will be held in the meeting hall of the association on January 27. The program for the meeting is as follows:—

After an opening statement by the chairman, the morning session will hear a series of papers on "Progress of Federal Food, Drug and Cosmetic Act in 1948." Included will be "Its Legislative and Administrative Progress," by Charles W. Crawford, associate commissioner of food and drugs, Food and Drug Administration; "Its Enforcement and Judicial Progress," by Daniel P. Willis and William W. Goodrich, office of general counsel, Federal Security Agency, and "Reflections on 'Miller Amendment,'" by Vincent A. Kleinfeld, Department of Justice. H. Thomas Austern will present the report of a special committee on food standards law.

The afternoon session will hear a series of papers on "Basic Subjects of Federal Food, Drug and Cosmetic Act." Included will be "Significance of Proposed 'Moore Amendment,'" by James M. Best; "Application of Act to Retail Sale of Drugs," by Dr. Robert L. Swain; 'Problem of Toxic Spray Residue on Fruits and Vegetables," by Dr. James R. Wilson, secretary of the council on foods and nutrition, American Medical Association, and "Some Implications of Kordel Decision," by Arthur D. Herrick.

In addition, there will be the report of a special committee on retail food exemptions from the Federal food, drug and cosmetic act, by William A. Quinlan, and a paper on "Progress of Product Liability Law in 1948," by Bradshaw Mintener.

Antitrust Law Section Of N.Y. Bar to Meet

The section on antitrust law of the New York State Bar Association will hold its first annual meeting in the meeting hall of the association on January 26. Program for the meeting, which will be presided over by Charles W. Dunn, chairman of the section, is as follows:—

The opening statement at the morning session will be made by the chairman of the Federal Trade Commission, and will be followed by a round table discussion of delivered price law under the Federal Trade Commission act, and under the Clayton act, as amended by the Robinson-Patman act.

Participating in the discussion will be:—Harold J. Gallagher, chairman of the section's committee on the Clayton act as amended by the Robinson-Patman act and chairman of the commerce committee of the American Bar Association; Walter B.

—Continued on page 45

Tuteur Sales Director

W. Scott Arnott has been appointed director of sales of Tuteur Bio-Chemicals, Inc., New York. For the past ten years Mr. Arnott has been associated with the special products division of the Borden Company, and was sales manager of bulk pharmaceuticals before joining Tuteur Bio-Chemicals.

Du Pont to Award 77 Fellowships in 1949-50

E. I. du Pont de Nemours & Co., Wilmington, Del., announced December 26 that it will award seventy-seven postgraduate and postdoctoral fellowships to forty-seven universities throughout the country for the 1949-50 academic year. The company has authorized the expenditure of $226,800 for the awards.

Each postgraduate fellowship provides $1,200 for a single person of $1,800 for a married person, together with an award of $1,000 to the university. Each postdoctoral fellowship provides $3,000 for the recipient and is accompanied by a grant of $1,500 to the university. The selection of candidates and the choice of problems on which they are to work is left to the universities.

In the 1949-50 program forty-five of the postgraduate fellowships are in chemistry, four in physics, fifteen in chemical engineering, five in mechanical engineering and two in metallurgy. The plan also provides for six postdoctoral fellowships in chemistry.

Oil Trades Ass'n to Meet

The Oil Trades Association of New York will hold its first quarterly meeting of 1949 at the Waldorf-Astoria hotel on January 25. An informal reception will be held at 6:30 p.m., and dinner will be served at 7:30.

Atomic Energy Secrecy Veil Lifting Proposed

A relaxation of some of the secrecy rules that surround developments taking place in the field of atomic energy, so as to encourage greater participation by industry in solving problems in this field, was strongly urged by the industry advisory group to the Atomic Energy Commission in a report to the commission on December 30.

The group held that lack of incentive upon the part of industry to engage in atomic energy to a greater extent than it has cannot be blamed upon the absence of a profit motive, but rather upon the fact that industry has no way of determining whether important opportunities in fact exist in which to take part.

Much information has already been published by the commission, but most of it is not in a form that is useful to industry, it was stated. In addition, a vast amount of non-secret information, of potential value to industry, is buried in the files and activities of the commission. In connection with certain other information, still classed as secret, the continuance of secrecy is of doubtful value.

The group also recommended that in order that published information about the commission will be complemented by concrete first-hand personal contact with the subject, the commission should develop a broad program for clearance of engineers, technologists and executives in the interested industries. These include chemical, petroleum, power, heat transfer equipment, metallurgical and instrument industries.

Other Recommendations

Other recommendations of the advisory group were:—

1. A general industrial advisory committee should be established by the commission, and special and temporary industrial advisory committees should be created, wherever possible, to work on specific problems. These committees will be useful to the commission in the solution of its problems, and even more important, they will afford another means for bringing industry into direct personal contact with the subject of atomic energy.

2. The commission should give particular attention to acquainting industry with the specific measures it is now taking to improve and strengthen its contract system of operation. A further report on the patent situation as it affects industrial participation is needed. In addition to these measures, the commission should in the future set up its research and development contracts so that the proper roles of scientists and engineer-contractors will be more clearly distinguished. Further improvment of the commission's own form or organization would also improve the contract system.

Members of the Group

Members of the Industrial Advisory Group, provided for under Section 12 (a) of the Atomic Energy Act of 1946 to survey the Commission's activities and make recommendations for increasing industrial particulation in the atomic energy project, were the following:—

Chairman, James W. Parker, president of Detroit Edison Company; Isaac Harter, sr., chairman of the board of Babcock & Wilcox Tube Company; Gabriel O. Wessenauer, manager of power, TVA; Rob-

—Continued on page 47

Association Meeting Dates

Affiliated Drug Stores, New Yorker hotel, New York, September 11-15.

American Drug Manufacturers Association, Boca Raton Club, Boca Raton, Fla., April 4-7.

American Institute of Chemical Engineers, Pittsburgh, Pa., November 7-10.

American Institute of Mining and Metallurgical Engineers, Fairmont hotel, San Francisco, February 13-17.

American Oil Chemists Society, Roosevelt hotel, New Orleans, La., May 10-12.

American Pharmaceutical Association, Jacksonville, Fla., April 24-30.

American Pharmaceutical Manufacturers Association, Homestead hotel, Hot Springs, Va., June 9-11.

American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 21-July 1.

American Water Works Association, Stevens hotel, Chicago, May 30-June 3.

Associated Chain Drug Stores, New Yorker Hotel, New York, September 25-29.

Association of American Soap and Glycerine Producers, Commodore hotel, New York, January 26-27.

BIMS of New York, annual dinner, New York Athletic Club, January 27.

Chemical Institute of Canada, Halifax, Nova Scotia, May 30-June 1.

Chemical Market Research Association, New York, February 10.

Chicago Technical Societies Council, production show, Stevens hotel, Chicago, March 14-17.

Chlorine Institute, New York, January 19.

Commercial Chemical Development Association, La Salle hotel, Chicago, January 19.

Compressed Gas Manufacturers Association, Waldorf-Astoria hotel, New York, January 17-18.

Drug, Chemical and Allied Trades Section, New York Board of Trade, midwinter luncheon meeting, Astor hotel, New York, January 18; annual dinner, Waldorf-Astoria hotel, New York, March 10; annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.

Druggists Supply Corporation, Pennsylvania hotel, New York, March 7-11.

Essential Oil Association, Plaza hotel, New York, January 7.

Federal Wholesale Druggists Association, Pennsylvania hotel, New York, March 14-16.

Flavoring Extract Manufacturers Association, Drake hotel, Chicago, May 16-18.

Manufacturing Chemists Association, Skytop Inn, Skytop, Pa., June 2-3.

National Association of Insecticide and Disinfectant Manufacturers, Drake hotel, Chicago, June 13-14.

National Farm Chemurgic Council, Memphis, Tenn., March 30-April 1.

National Fruit and Syrup Manufacturers Association, Drake hotel, Chicago, May 19.

National Material Handling Exposition, Philadelphia auditorium, January 10-14.

National Petroleum Association, Cleveland hotel, Cleveland, Ohio, April 13-15.

National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.

Oil Trades Association of New York, quarterly meeting, Waldorf-Astoria hotel, New York, January 25.

Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.

Parenteral Drug Association, New Yorker hotel, New York, January 21.

Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.

Soap and Detergent Manufacturers Association, New Yorker hotel, New York, January 25.

Society of Plastics Engineers, Bellevue-Stratford hotel, Philadelphia, January 19-21.

Synthetic Organic Chemical Manufacturers Association, Shawnee Inn, Shawnee, Pa., June 7-9.

Technical Association of the Pulp and Paper Industry, Commodore hotel, New York, February 21-24.

Toilet Goods Association, Waldorf-Astoria hotel, New York, May 17-19.

Tung Growers Council Of America Organized

The Tung Growers Council of America, organized to protect the interest of American tung growers, has been formed in the south with Lamont Rowlands, of Picayune, Miss., as general chairman.

Chapters formed to date, and their temporary chairmen, are as follows:—west Louisiana, Ed Unruh, DeRidder, La.; east Louisiana, Raymond H. Saal, Covington, La.; southern Alabama, W. C. Joy, Citronelle, Ala.; Pearl River County, Mr. Rowlands, and west Florida-Alabama, C. E. Beebe, DeFuniak Springs, Fla.

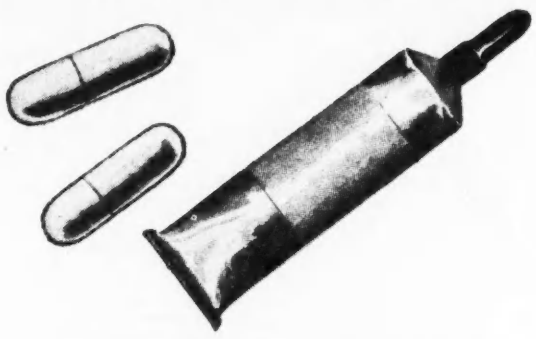
Mr. Rowlands said the objectives of the council are location of state-inspected scales in the vicinity of tung-crushing mills in the six tung-growing states to weigh truck loads of tung nuts before they are checked in at the mills; establishment of a council-operated laboratory to determine oil content of tung nuts for members; providing free legal service to all members on matters pertaining to their dealings with the mills and other purchasers of tung nuts, and with respect to loans on crops, and providing a service throughout the belt whereby members will have the advice of competent agronomists on soil conditions and deficiencies, fertilization and so fort..

Inhaled Injected Instilled

For *versatility* in dosage form, ephedrines may well be leading the list. You will help *your own ephedrine product* to maintain leadership in the field by basing your manufacturing processes on *Merck uniformly pure Ephedrines.*

This outstandingly favored group of Merck products includes one that will best fit the dosage form you are marketing:

IS YOUR PREPARATION DESIGNED FOR ORAL OR FOR TOPICAL USE?



Is it compressed into tablets or dissolved in water or oil?

Whatever form of dosage,

MERCK EPHEDRINES SUPPLY THE ANSWER TO YOUR PRODUCTION PROBLEM

EPHEDRINE ALKALOID ANHYDROUS MERCK U.S.P.
white, fused crystalline mass
forms oily solutions that stay clear

EPHEDRINE ALKALOID HYDROUS MERCK U.S.P.
white, granular crystals
contains not more than ½ mol. H_2O

EPHEDRINE HYDROCHLORIDE MERCK U.S.P.
small, white, odorless crystals
aqueous solutions are practically neutral

EPHEDRINE SULFATE MERCK U.S.P. CRYSTALS
fine, white, odorless crystals

EPHEDRINE SULFATE MERCK U.S.P. POWDER
fine, white, odorless powder

(All ephedrines are affected by light; Merck well-sealed, amber-colored containers are designed for full protection)

Please write for full information and quotations

MERCK EPHEDRINES

MERCK & CO., Inc. *Manufacturing Chemists* RAHWAY, N. J.

MERCK

Current Market Quotations

Chemicals and Related Materials

December 30, 1948

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., c.l., works, lb. .12 - —
l.c.l., works lb. .12½- .13
tanks, works lb. .10 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms lb. .65 - .75
tech., fib. dms lb. .38 - .43

Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .40 - .50
smaller lots lb. .41 - .56

Acetic anhydride, dms., c.l., frt. alld. E lb. .13½- —
l.c.l., frt. alld. E lb. .15 - —
tanks frt. alld. E lb. .12 - —

Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., works lb .65 - —
l.c.l. lb. .66 - —

Acetoacetorthoanisidide, dms., wks., 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb. 1.75 - —

Acetoacetorthochloranilide, bbls., works lb. 1.15 - —
fib. dms., works lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .90 - —
fib. dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —

Acetone, CP, dms., c.l., dlvd lb. .10 - —
l.c.l. dlvd. lb. .11 - —
tanks, dlvd. lb. .08½- —

Methyl (see M).

Acetonitrile, dms., c.l., works lb. .40 - —
l.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.20

Acetophenone, cns., dms lb. 1.50 - 1.85
tech., l.c.l., dms., works lb. .75 - —

Acetoactoparaphenetidide, d m s., works, 500 lbs. or more lb. 1.65 - —
smaller lots, same basis lb 1.90 - —

Acetyl chloride, cbys., works lb. .55 - .60

Acetyltributyl citrate, dms lb. .43 - .45

Acetyltriethyl citrate, dms lb. .48 - .54

Acetyltriethyl citrate, dms lb. .36 - .38
smaller pkgs lb. .41 - .47

Acid, abietic, dms., c.l., works lb. .07½- —

Acetic, com'l or redist., 28%, bbls 100 lbs. 4.50 - 4.75
56%, bbls 100 lbs. 7.90 - 8.15
70%, bbls 100 lbs. 9.60 - 9.85
80%, bbls 100 lbs.10.85 -11.10

glacial, synthetic, CP, dms., works 100 lbs.13.50 -14.00
USP, dms., works 100 lbs.11.50 -12.00
tech., dms., c.l., works 100 lbs.10.00 -11.00
tanks, works 100 lbs. 8.60 - 9.12

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls., same basis. lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 - 1.10

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs lb. .20 - .22

Ascorbic, USP, dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.15 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works 100 lbs. 2.05 - 2.75

Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —

USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59

Betaoxynaphthoic, bbls., works lb. 1.25 - 1.43

Boric, tech., 99.5%, cryst., paper bgs., c.l., frt. split ton.124.00 - —
ton lots, ex whse ton.148.00 - —
less than ton lots, ex whse ton.153.00 - —
powd., paper bgs., c.l., frt. split ton.104.00 - —
ton lots, ex whse., N. Y. or Chi ton.128.00 - —
less ton lots, same basis ton.133.00 - —
bbls., c.l., frt. split ton.124.00 - —
ton lots, ex whse., N. Y. or Chi ton.148.00 - —
less car lots, same basis. ton.153.00 - —
gran., bulk ton.95.50 - —
paper bgs., c.l., frt. split. ton.99.00 - —
ton lots, ex whse., N. Y. or Chi ton.123.00 - —
less ton lots, same basis. ton.128.00 - —

Acid, boric, tech., 99.5%, gran., bbls., c.l., frt. split ton.119.00 - —
ton lots, ex whse., N. Y. or Chi ton.143.00 - —
less ton lots, same basis ton.148.00 - —

USP $25 per ton higher.

Broener's, bbls lb. 1.45 - —

Butyric, 99%, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tankcars, works lb. .33 - —

Cacodylic, bots. lb.12.00 -13.00

Camphoric, natural, dms lb. 6.00 6.75
synth., dms. lb. 5.50 6.00

Capric, tech., dms lb. .50 .50½

Caprylic, 99%, dms lb. .50 .50½

Castor oil, split, dms lb. .35¾ .36¾

Chlorosulphonic, dms., c.l., works, lb. .03 —
l.c.l., works lb. .03½- .04½
tanks, works lb. .02½- —

Chromic, 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 - .27

Cinnamic, refd., bots lb. 3.00 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb .27 —
10,000 lbs., 1 ship't lb. .27½- —
kgs. lb. .28½- —

Anhydrous citric acid powder, ½c. per lb. higher.

USP, cryst., bbls., c.l lb. .27½ —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., bbls., c.l lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —

USP citric acid powder ½c. per lb. higher.

Cleve's, mixed, bbls lb. .65 - .66

Coconut oil, dist., dms lb. .29¼- .31¼

Corn oil, s.d., dms lb. .13 - .14

Cottonseed oil, dist., dms lb. .13 - .14

Cresylic, dom., coaltar, high boil 50% (210°-215°), c.l., works and frt. equald gal. 1.46 - 1.61
l.c.l., same basis gal. 1.39 - 1.64
tanks, same basis gal. 1.30 - 1.55

low boil, 50% (204°-206°), and special blends, c.l., same basis gal. 1.46 - 1.61
l.c.l., same basis gal. 1.49 - 1.64
tanks, same basis gal. 1.40 - 1.55

Petroleum, 130°C to 205°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. 1.005 - —
l.c.l., same basis gal. 1.025 - 1.045
tanks, same basis gal. .925 - —

190°C to 220°C non-ret., dms., c.l., San Francisco and Los Angeles gal. .93 —
l.c.l., same basis gal. .95 .97
tanks, same basis gal. .85 —

Acid, cresylic, dom., petroleum, 210°C to 240°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .745 —
l.c.l., same basis gal. .765 .785
tanks, same basis gal. .665 —

235°C. to 271°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .62 —
l.c.l., same basis gal. .72 .74
tanks, same basis gal. .62 —

Crotonic, bbls., Canadian, works lb. .35 —

Dichlorophenoxyacetic, fib. dms., c.l., works, frt. equald lb. .75 - —
l.c.l., same basis lb. .83 .90

Diethylbarbituric (see Barbital).

Ethylhexoic, dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
tanks, works lb. .29½- —

F, bbls., works lb. 1.73 1.78

Folic, bots gram. 2.00 —

Formic, 85%, cbys., c.l., dlvd lb. .13 - .13½
l.c.l., dlvd lb. .14 - .15
90% cbys., c.l., dlvd lb. .13½- .14
l.c.l., dlvd lb. .14½- .15

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF V, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000 lb. lots lb. 1.43 —
smaller lots lb. 1.46 1.48

Gamma, bbls. lb. 1.22 - 1.30

Gluconic, tech., 50%, bots lb. .23 - .31
dms. lb. .14 - —
kgs. lb. .16 - —

Glutamic-l, 99%, fiber dms., 100 lb. lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .66 - —

Hydriodic, 45-47%, cbys lb. 2.69 - —
57%, cbys lb. 2.83 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .38 - —
tech., 48%, cbys., dlvd. E lb. .34 - .36
34%, cbys., dlvd. E lb. .35 - .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. .80 1.00
dilute, NF, 2%, 5-lb. bots lb. .30 .40

Hydrofluoric, anhyd., cyls., works lb. .19 - .19½
tanks, works lb. .16½- —
30%, steel dms., works lb. .08½- .09
70%, steel dms., works lb. .15¾- .16¼

Hydrofluosilicic, 30-35%, bbls lb. .08 - .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
artif.	artificial	E.	east	ord.	ordinary
ASTM.	American Society for Testing Materials	e.p.	end point	oz.	ounce
		equald.	equalized	Pac.	Pacific
Be.	Baume	F.	fahrenheit	pf.	proof
bgs.	bags	ferment.	fermentation	phos.	phosphate
bbls.	barrels	ffa.	free fatty acid	photo.	photographic
bls.	bales	ffc.	free from chlorine	pkgs.	packages
bots.	bottles	fib.	fiber	powd.	powdered
b.p.	boiling point	f.o.b.	free on board	precip.	precipitated
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	prod.	producer
				pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	fus.	fused	purif.	purified
C.	centigrade	gal.	gallon	redist.	redistilled
cbys.	carboys	gran.	granular	refd.	refined
CD	completely denatured	grd.	ground	refy.	refinery
				reg.	regular
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	resub.	resublimed
				ret.	returnable
cks.	casks	i.b.p.	initial boiling point	SD	specially denatured
c.l.	car lots			s.d	single distilled
cns.	cans	imp.	imported	S. E.	southeast
col.	color	incl.	included	secs.	seconds
com'l	commercial	indust.	industrial	s.g.	specific gravity
conc.	concentrated	kgs.	kegs	ship't	shipment
CP	chemically pure	lacq.	lacquer	solut.	solution
cps.	centipoises	lb.	pound	s.u.	standard unit
cryst.	crystal	l.c.l.	less than car lots	synth.	synthetic
cs.	cases	liq.	liquid	tech.	technical
ctns.	cartons	m.a.p.	mixed aniline point	USP	U. S. Pharmacopoeia
cyls.	cylinders			vis.	viscosity
dbl.	double	min.	minimum	VM&P	varnish makers & painters
denat.	denatured	m.p.	melting point		
dest.-dist.	destructive-distilled	N.	nitrogen	W	west
		nat.	natural	w.w.	water white
dextro.	dextrorotatory			whse.	warehouse
dist.	distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, hypophosphorus, USP, djns lb. .75 - .77
J, bbls., works, 20% basis lb. 2.64 - 2.87
L, bbls., works lb. .80 - .95

Lactic, edible, 50%, bbls., 20 or more lb. .16 - .18
smaller lots lb. .17 - .19
80%, bbls., 5 or less lb. .29 - .29½
plastic grade, 50%, bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
l.c.l., works 100 lbs. 6.20 - —
cbys., works 100 lbs. 6.70 - —
44%, bbls., c.l., works 100 lbs.10.95 - —
l.c.l., bbls., works 100 lbs.11.35 - —
cbys., works 100 lbs.11.85 - —

NF, 85%, cbys lb. .69 - .72

Laurent's, bbls lb. .87 - —

Lauric, dist., 85-90%, dms lb. .40 - .40½
60%, dms lb. .35 - .35½

Linseed oil, reg. dist., dms lb. .3200- .3250
water white, dms lb. .3500- .3550

Maleic, powd., dms lb. .30 .31
Anhydride (see M).

Malic, dms. lb. 47 —

Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 2.10

Mixed, tanks, nitric unit lb. .05 .06
sulphuric unit lb. .0085- .009

Molybdic, kgs., works lb. .95 1.10

Monochloroacetic, purified, flake, 99%, dms lb. .23½ .24½
tech., flake, 96-97%, bbls lb. .19 - .21

Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs. 2.05 2.75
tanks, E. works ton.18.00 - —
20°, cbys., c.l., E. works 100 lbs. 1.90 - —
tanks, E. works ton.20.00 - —
22°, cbys. c.l., E. works 100 lbs. 2.45 - —
tanks, E. works ton.25.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾- —
l.c.l., same basis lb. .14¼- .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms lb. .45 Nom.

Naphthenic, 220-230 acidity, dms., works lb. .15 - —
tanks, works lb. .12 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic see Acid, L).

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(5)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms lb. .88 - .91

Nicotinic, USP, dms., works kilo. 8.00 8.30

Nicotinic amide (see Nicotinamide).

Nitric, 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38°, cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 6.65
40°, cbys., c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E. works 100 lbs. 6.40 7.10
42°, cbys., c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E. works 100 lbs. 6.90 7.60
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. .11½- —
l.c.l., same basis lb. .13 - .13½
5 pint bottles extra, cs., c.l., frt. equald lb. .15½- —
l.c.l., same basis lb. .17 - .18

Oleic (see Oil, red).
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Oleum (see Acid, sulphuric, fuming).

Orthocresotinic, dms, c.l., works lb. .67 - —
l.c.l. works lb. .69 - —

Oxalic, bbls., c.l., works lb. .14½- —
10,000 lbs., works lb. .14¾- .15
smaller lots, works lb. .15¼- .15¾

Palm oil, white, dist., dms lb. .21¼ .21¾

Para-aminobenzoic, purified, dms., works lb. 4.00 Nom.
technical, dms., works lb. 1.70 - —

Paramethylphenylcinchonic (see Neocinchophen).

Paranitrobenzoic, cns. lb. .87 - —

Paratoluidinmetasulphonic, bbls., works lb. .92 .95

Peanut oil, s.d., dms lb. .13½ Nom.

Perchloric, 60%, cbys., works lb. .58 - .62
70-72%, cbys., works lb. .61 - .66

Phenylacetic, bots lb. 1.51 1.75

Phenylcinchoninic (see Cinchophen).

Phenylglycollic (see Acid, mandelic).

Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald 100 lbs. 4.50 —
t.c.l., same basis 100 lbs. 5.25 6.00
cbys, c.l., works, frt. equald 100 lbs. 5.00 —
t.c.l., works, frt. alld., 100 lbs. 6.00 7.50
75%, bbls., c.l., works, frt. equald 100 lbs. 5.75 —
t.c.l. lb. .11½ .13

Acid, Phosphoric—Alphatocopherol Acetate

Acid, phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.10 - —
i.c.l., works, frt. alld. 100 lbs. 8.00 9.00
tanks, works, frt. equald 100 lbs. 4.00 - —
NF, 85%, cbys., c.l. lb. .10½- —
dilute, 10%, cbys., djns lb. .07 - .07½
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .70
Picric, tech., bbls lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 - 3.18
resub., dms lb. 3.45 3.60
Pyroligneous, bbls., incl., l.c.l., ex whse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.79 - 3.01
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .38 - —
USP, bbls., cryst lb. .40 - —
smaller lots lb. .50 - —
powder, bbls lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works, lb. .54½- —
l.c.l., works lb. .56½- .60½
Soybean oil, s.d., c.l., works lb. .13 - .14

Acid, stearic, double pressed, bgs lb. .22½- .23½
single pressed, bgs lb. .22 - .23
triple pressed, bgs lb. .24¾- .25¾
Succinic, bbls lb. .87 - .90
Sulphanilic, CP, bots., works lb. 1.60 - 1.63
tech., dms., works lb. .17 - —
Sulphuric, 60°Be, cbys., c.l., E. works 100 lbs. 1.40 - —
l.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.13.75 - —
66°Be, cbys., c.l., E. works 100 lbs. 1.65 - —
l.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.17.00 - —
98%, tanks, E. works ton.18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, E works. ton.18.00 - —
Tallow, dist., dms lb. .15¾- .16¾
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .37½- —
smaller lots lb. .38 - —
100-lb. dms lb. .39 - —
small, dms lb. .41 - .43
imported, kgs lb. .30 - .30½

Acid thioglycolic, refined, bbls.,cbys., basis 100% lb. 1.85 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works lb. .20 - —
Tungstic, tech., 100 lb. pkgs. lb. 2.75 - Nom.
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots oz.27.50 - 32.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .33½- —
l.c.l., works lb. .34 - .45
tanks, works lb. .32½- —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar lb. 3.25 - 4.10
Agaric, white, bls lb. 1.75 - 1.80
Agrimony herb, bls lb. .35 - .40
Albumen (egg), edible, flake, bbls lb. 2.65 - 2.75
powd., bbls. lb. 2.70 - 2.80
tech., cryst., bbls. lb. 1.48 - 1.60
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., divd lb. .26½- —
l.c.l., divd. lb. .27½- —
tanks, divd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss. lb. .18 - —
l.c.l., frt. alld. E. of Miss. lb. .19 - —
tanks, frt. alld. E. of Miss. lb. .17 - —
(see also Fusel oil, ref.)
refined fermentation, 126-132°C, dms., divd lb. .36 - —
128-132°C, dms., divd. lb. .42 - —
Benzyl, cns. lb. .72 - .80
dms. lb. .68 - .88

Alcohol, butyl, normal, ferment, Ill., Jnd. prod., dms., c.l., frt. alld. lb. .19 - —
l.c.l., frt. alld. E. lb. .20 - —
tanks, frt. alld. E. lb. .17½- —
tankwagon, frt. alld. E lb. .18 - —
other production, dms., c.l., frt. alld. E. lb. .19 - .19½
l.c.l., frt. alld.E. lb. .20 - .20½
tanks, frt. alld. E. lb. .17½- .18
synthetic, normal, dms., c.l., frt. alld., E. lb. .19 - —
l.c.l., frt. alld. E. lb. .20 - —
tanks, frt. alld. E. lb. .17½- —
Normal synthetic butyl alcohol prices in West .01c. per lb. higher
secondary, dms., c.l., divd lb. .12 - —
l.c.l., divd. lb. .12½- —
tanks, divd. lb. .10½- —
tertiary, dms., c.l. lb. .13½- —
l.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Capryl, dms., c.l., works lb. .26 - —
l.c.l. works lb. .27 - —
tanks, works lb. .24½- —
Cetyl, dom., CP., fiber ctns., 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., divd. E. of Miss R. gal. .53½- —
l.c.l., divd. E. of Miss R. gal. .57½- .62½
tanks, divd. E. of Miss. R. gal. .44 - —
tankcar sales requires written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., divd. E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62½
tanks, same basis gal. .44 - —
SD2B, dms., c.l., E. of Miss. R. gal. .51½- —
l.c.l., same basis gal. .55½- .60½
tanks, same basis gal. .42 - —
SD23H, dms., c.l., divd. E. of Miss. R gal. .54½- —
l.c.l., same basis gal. .58½- .63½
tanks, same basis gal. .45 - —
SD29, denatured with acetaldehyde, dms., c.l., divd. E. of Miss. R gal. .52 - —
l.c.l., same basis gal. .56 - .61
tanks, same basis gal. .42½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., divd. E. Miss. R gal. .53½- —
l.c.l., same basis gal. .57½- .62½
tanks, same basis gal. .44 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see proprietary).
Diacetone, acetone free, dms., c.l., divd lb. .13½- .14½
l.c.l., divd lb. .14 - .15½
tanks, divd lb. .12 - .13
tech., dms., c.l., divd lb. .14 - —
l.c.l., divd lb. .15 - —
tanks, divd lb. .12½- —
Ethyl, 190 pf. tax paid dms., c.l., divd. E. Miss. R gal.17.60½- —
l.c.l., same basis gal.17.64½-17.69½
tanks, same basis gal.17.51 - —
tax free, dms., c.l., divd. E. Miss. R gal. .50½- —
l.c.l., same basis gal. .54½- .59½
tanks, same basis gal. .41 - —
absolute, tax paid, dms., c.l., same basis gal.18.57½- —
l.c.l., same basis gal.18.61½-18.66½
tanks, same basis gal.18.48 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl, refined, fermentation).
Isobutyl, refd., dms., works lb. .13 - —
tanks, works lb. .12 - —
Isopropyl, refd., 91%, dms., incl., c.l., divd gal. .49½- —
l.c.l., divd. gal. .52½- —
tanks, divd. gal. .39½- —
95%, dms. incl., c.l., divd gal. .51½- —
l.c.l., divd. gal. .54½- —
tanks, divd. gal. .41½- —
99%, dms., incl., c.l., divd gal. .53½- —
l.c.l., divd. gal. .56½- —
tanks, divd. gal. .43½- —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots lb. 2.40 - —
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.50 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., works. lb. .12 - —
l.c.l., works lb. .12½- —
tanks, works lb. .10½- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95%, dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.60 - 1.65
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .50
Allspice, Jamaica (see Pimento).
Guatemalan, bgs., futures lb. .21½- .22
Mexican, bgs. lb. .13 - .13¼
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., divd lb. .16½- —
l.c.l., divd. lb. .17 - —
tanks, divd. lb. .15 - —
Aloe, Cape, cs lb. .35 - .40
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .37 - —
Alphapicoline, ret. dms., works, frt. equald lb. .27½- .30
Alphapinene, tanks, South, works gal. .47 - —
Alphaterpineol, dms., l.c.l., divd. E. lb. .18 - —
Alphatocopherol, bots. kilo.750.00 - —
Acetate, bots. kilo.750.00 - —

Our Service Does NOT End At Your Doorstep

You order your chemicals . . . and we deliver them. *BUT* General Chemical's service does not stop at your doorstep. Our Technical Service Organization, for example, has been created solely to help General Chemical customers solve their problems involving the handling, storing and use of chemicals.

This is not a group of "ivory tower" consultants, but a staff of practical men who will work with you confidentially—in your own plant if necessary—until your questions are answered. They may not know everything about your business, but they do know our chemicals and can help you get the best use out of them in your operations.

That is why General's Technical Servicemen so frequently offer suggestions and ideas that point the way to new efficiencies and economies in production and research operations.

Remember—General's Technical Service staff is yours to utilize. Just advise the nearest General Chemical office when you need such assistance.

BASIC CHEMICALS
GC
FOR AMERICAN INDUSTRY ©

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
OFFICES IN PRINCIPAL CITIES FROM COAST TO COAST

Always Available

Olin A. Sargent knows and understands the chemical and food field thoroughly.

Mr. Sargent has been Treasurer and a Director of the William D. Neuberg Company, Inc. since its inception. His wide experience includes twelve years as sales manager for National Dairy Company, Inc., as well as associations with the Casein Company of America (and affiliates), The Alden Speare's Sons Company (dealers in starch, dyes and oils) and the Baltimore and Ohio Railroad.

This solid and substantial background has enabled Olin A. Sargent to offer dependable counsel to many of our customers. You'll find our Mr. Sargent —and our company—always available to serve you.

WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N Y.

TELEPHONE ORegon 9-2550

CABLE—"WILNEUBERG"

Althea Root—Antimony-Potassium Tartrate

Althea root, NF, peeled, bls.....lb. .30 - .35
Alum, ammonia, burnt, USP, bbls., lb. .16 - .18
gran., bbls., works.....100 lbs. 3.80 - —
lump, bbls., works.....100 lbs. 4.65 - —
powd., bbls., works.....100 lbs. 4.20 - —
Alum, potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works.....100 lbs. 4.25 - —
powd., bbls., works.....100 lbs. 4.45 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- —
l.c.l., works.....lb. .04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24°, bbls., l.c.l., works lb. .11 - —
20°, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .12 - —
l.c.l., works.....lb. .12½- —
cryst., com'l, dms., c.l., works lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32°, cbys., c.l., works.lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald..lb. .10 - —
l.c.l., frt. alld.....lb. .11 - .13
Formate, basic solution, cks., c.l., lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald..ton.50.00 -54.00
l.c.l., works.....ton.72.00 -86.00
light, bgs., dlvd.....lb. .17 - —

Aluminum hydroxide, gel, pharmaceutical 14-15% Al_2O_3, fib. dms., works..lb. .21¼- —
contract, works.....lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works..lb. .18¼- —
contract, works.....lb. .17¼- —
dried, USP XII, fib. dms., works, lb. .79½- —
contract, works.....lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls.....lb. .42 - —
Linoleate, solid, dms., frt. alld. .lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17 - —
pigs, 10,000 lbs.....lb. .16 - —
Naphthenate, liq., 1.7%, frt. alld. lb. .24½- .25
Oleate, dms., contract.....lb. .43¾- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld..lb. .14 - .15
kgs., ton, frt. alld....lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld..lb. .32 - .33
kgs., frt. alld.....lb. .31 - —
classified, 500 mesh, dms., frt. alld..lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
600 mesh, dms., frt. alld.. lb. .51 - .53
kgs., frt. alld.....lb. .50 - —

Aluminum oxide, optical, floated, kgs., dlvd..lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld.....lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works..lb.13.50 - —
jars, works.....lb.15.00 -17.00
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.

Paste, lining, extra fine, dms..lb. .58 - —
standard, dms.....lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms.....lb. .64½- —
rubber comp., dms.....lb. .48½- —
unpolished, standard, dms....lb. .44½- —
varnish, standard, dms.....lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drs., 1½c. per lb. for 50-lb. drs., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld.lb. .24¾- —
Stearate, dibasic, ctns., c.l.....lb. .38 - —
l.c.l.....lb. .39 - —
monobasic, ctns., c.l.....lb. .38 - —
l.c.l.....lb. .39 - —
tribasic, ctns., c.l.....lb. .43 - —
less than 1 ton.....lb. .44 - .45
Sulphate, com'l, bgs., c.l., works, equald..100 lbs. 1.50 - —
l.c.l., same basis.....100 lbs. 1.90 - —

Aluminum sulphate, iron-free, bgs., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.90 - —
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins.....oz. 8.50 -12.00
Aminoazotoluene, bbls.....lb. .85 - —
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works..lb. .51½- —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —
Aminophlline, bots, kgs.....lb. 8.25 - 8.75
Aminopyrine, bots., dms.....lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works..ton.75.00 -85.00
pure, cyls., extra.....lb. .16 - —
refrigeration, tanks, works..ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works..100 lbs. 2.85 - 3.00
l.c.l., works.....100 lbs. 3.25 - 3.50
tanks, works, anhyd. basis..ton.76.00 - —
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works.....100 lbs. 7.40 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.45 - —
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars.....lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .80 - —
smaller lots, frt. alld..lb. .81 - 1.08
Biborate, bbls., c.l., works..ton.320.00 - —
ton lots, works.....ton.338.50 - —
less ton lots, works.....ton.343.50 - —
Bicarbonate, dms., works, c.l..lb. .064 - .0975
Bichromate, bbls., works.....lb. .26 - .30
Bifluoride, dms., dlvd.....lb. .13 - .18½
Bromide, gran., NF, bbls.....lb. .36 - .37
dms.....lb. .37 - .40
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.....lb. .16½- .17
powdered, 1c. per lb higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs.....lb. .20 - .22
Citrate, dibasic, bbls.....lb. .75 - —
dms.....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF, dms.....lb. 2.40 - —
Iodide, NF, jars.....lb. 3.90 - 3.96
Linoleate, plastic, 80%, dms., works..lb. .40½- —
kgs., works.....lb. .42½- —
25%, dms., frt. alld. zone 1. lb. .21½- —
tech., bbls., works.....lb. .37 - —
dms., works.....lb. .39 - —
Molybdate, CP, cryst., kgs.....lb. 1.26 - 1.30
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point..ton.79.50 - —
dom., bgs., western works ton.56.50 -58.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton.42.50 - —
Oleate, dms.....lb. .30¾- —
Oxalate, fine gran., dms.....lb. .25 - —
dms., 100 lbs., lots.....lb. .27 - —
Pentaborate, gran., bbls., c.l., works..ton.230.00 - —
ton lots, works.....ton.248.50 - —
less ton lots, works....ton.253.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs.....lb. .25 - —
Persulphate, kgs.....lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works.....lb. .08¼- —
dibasic, NF V, bbls., dms.....lb. .40 - —
tech., bgs., c.l., works.....lb. .08 - —
l.c.l., works.....lb. .08½- —
Salicylate, NF, dms., kgs.....lb. 1.25 - —
Silicofluoride, bbls., works.....lb. .11½- .12
Stearate, 28%, dms.....lb. .21 - .31
paste, dms.....lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton.45.00 - —
Sulphide, liquid, 40-45% basis. 100%, dms., c.l., works. lb. .10½- —
l.c.l., works.....lb. .15½- —
tanks, dlvd. or frt. alld.lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works..lb. .15 —
l.c.l., works.....lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys..lb. 2.45 - —
commercial, same basis.....lb. 2.15 - —
Amphetamime hydrochloride, bots lb.45.00 -50.00
Phosphate, bots.....lb.45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .27 - .28½
l.c.l., dlvd.....lb. .28 - .29½
tanks, dlvd.....lb. .25½- .27
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works.....lb. 1.10 - —
Nitrite, USP, bots.....lb. 1.75 - 1.83
Salicylate, cns.....lb. .77 - 1.00
Anethol, com'l, dms., works.....lb. .50 - —
NF, dms.....lb. .60 - 1.40
Angelica root, dom., bls.....lb. .90 - 1.00
imported, bls.....lb. .98 - 1.00
Angostura bark, bls.....lb. .48 - .50
Anilin oil, dms., c.l., works, frt. alld..lb. .16 - —
l.c.l., works, frt. alld.....lb. .17 - —
tanks, works, rt. alld.....lb. .15 - —
Salt, dms., works.....lb. .26 - —
Anise, Argentine, bgs.....lb. No stocks.
Chinese, star.....lb. .17½- .18
Cyprus, bgs.....lb. .20 - .20½
Mexican, bgs.....lb. .19 - .19¼
Syrian, bgs.....lb. .17¼- .17¾
Anisic aldehyde, bots.....lb. 2.50 - 2.75
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs.....lb. .19 - .20
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works.....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls.....lb. .60 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .29 - .30
Metal, bulk, c.l., mines.....lb. .33½- —
Needle, cs.....lb. No stocks.
Antimony oxide, ceramic grade, bgs., c.l., dlvd..lb. .34 - —
l.c.l., dlvd.....lb. .35 - —
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works.....lb. .36¾- .37
Salt, 65%, bgs., c.l., dlvd. E. of Miss..lb. No stocks.
Sulphide, 62-64%, bbls., c.l., works. lb. .26 - —
l.c.l., works.....lb. .28 - —
Antimony-potassium tartrate (see Tartar emetic).

MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
TRICRESYL PHOSPHATE
DDT
(Government Specifications)
ERGOSTEROL
(Non Irradiated)
2, 4-D
Acid, Salt and Formulations
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Antipyrine, bbls ..... lb. 2.35 - 2.45
Apomorphine, bots ..... oz. 23.20 - 23.70
Archil extract, bbls ..... lb. No stocks.
Areca nuts, powd., bbls ..... lb. .22 - .25
Arecoline hydrobromide, bots. .. oz. 6.10 - 6.75
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 -18.50
Arnica, flowers, bls ..... lb. .50 - .90
root, bls ..... lb. 1.48 - —
Arrowroot, powd., bgs ..... lb. .13 - .16
Arsenic, metal, lump, bbls., prompt shipt lb. .75 - .90
Sulphide, yellow, bbls ..... lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l., dlvd lb. .06 - —
l.c.l. ..... lb. .07 - .08
Asafetida, cs. ..... lb. .35 - .36
powd., bbls., dms ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines ton. 76.50 -88.00
5R, bgs., c.l. (20 tons), same basis ton. 68.50 -79.00
6D, bgs., c.l. (30 tons), same basis ton. 51.00 -59.00
7D, bgs., c.l. (30 tons), same basis ton. 46.50 -52.50
7F, bgs., c.l. (30 tons), same basis ton. 44.00 -49.50
7K, bgs., c.l. (30 tons), same basis ton. 31.00 -35.50
7M, bgs., c.l. (30 tons), same basis ton. 27.50 -31.00
7R, bgs., c.l. (30 tons), same basis ton. 26.50 -30.00
7RF, bgs., c.l., same basis ... ton. 27.00 -31.00
7T, bgs., c.l., same basis ... ton. 25.00 -28.50
7TF, bgs., c.l., same basis ... ton. 27.00 -31.00
Asphaltum, cut-back, tanks, tank wagon, refinery ..... gal. .09½ - —
Emulsion, tanks, tank wagon, refinery ..... gal. .09½ - .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton. 36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton. 29.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton. 29.00 - —
Manjak, No. 10, crude, dms., works lb. .06½ - —
process form. bgs., works lb. 05¾ - .12
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery ton. 23.00 - —
80-200 penetration, tanks, tankwagon, refinery ..... ton. 22.00 - —
Atropine, bots. ..... oz. 13.50 -15.00
Sulphate, bots. ..... oz. 10.35 -12.00

B

Balm of Gilead, buds, bgs. ..... lb. 2.00 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs. ..... lb. .78 - .80
Barbital, dms. ..... lb. 4.50 - —
Sodium, dms. ..... lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 72.50 -80.00
smaller lots, works ..... ton. 82.50 -90.00
Chlorate, kgs., works. ..... lb. 25½ - .31
Chloride, NF, cryst., dms ..... lb. 11 - .13
tech., bgs., c.l., works, frt. equald. ton. 90.00 - —
l.c.l., works. ..... ton. 100.00 - —
Chromate, bgs., frt. equaid .. lb. 31½ - .32
Dioxide, dms., c.l., works ..... lb. .12 - —
l.c.l., works ..... lb. .12 - —
Fluoride, bbls. ..... lb. .21 - —
Hydrate, crystals, bgs. ..... lb. .09 - .09½
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .11½ - —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., works ..... lb. .11 - —
l.c.l., works ..... lb. .11½ - —
Peroxide (see Dioxide).
Silicofluoride, bbls. ..... lb. .17 - .19
Stearate, ctns., 1-ton up ..... lb. .42 - —
smaller lots ..... lb. .43 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls ..... lb. .12½ - .13
Sulphide, dms., c.l., works ... ton. 55.00 - —
l.c.l., works ..... ton. 70.00 - —
Baryte ore, approx. 94% BaSO4, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton. 35.05 - —
l.c.l., same basis ..... ton. 36.35 - —
ex whse., N. Y. ..... ton. 49.65 - —
Southern off-color, bgs., mines ton. 19.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
Barberry bark, bgs. ..... lb. .12 - .13
Bay leaves (see Laurel leaves).
Belladonna leaf, bls. ..... lb. 1.15 - 1.25
Root, bls. ..... lb. .55 - .60
Bauxite, bulk, mines ..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 11.00 - —
Benzaldehyde, NF, dms. ..... lb. .63 - .90
tech., cbys., dms. ..... lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma bgs., dms., c.l., works lb. .20¼ - —
l.c.l., works ..... lb. .32½ - —
dust, dry, 50%, 6% gamma distributors, dms., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. ..... lb. .19 - —
wet, 50%, 6% gamma distributors, dms., c.l., dlvd lb. .19½ - —
l.c.l., dlvd. ..... lb. .20½ - —
Benzidin base, bbls ..... lb. 1.02 - —
Benzocaine, cns. ..... lb. 3.50 - 3.85
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. gal. .20 - —
Benzophenone, dms. ..... lb. 1.30 - 1.70
Benzoyl chloride, c.l., cbys ..... lb. .20 - .28
l.c.l., works ..... lb. .22½ - —
Peroxide, pure, fib. ctns., works lb. .90 - 1.05
Benzyl acetate, f.f.c., dms. ..... lb. .60 - 1.00
dms. ..... lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms. ... lb. 1.00 - 1.40
Chloride, tech., cbys., c.l., works, frt. equald. lb. .19 - .21½
l.c.l., same basis ..... lb. .20 - .22½
Cinnamate, cns. ..... lb. 3.65 - 4.00
Formate, cns. ..... lb. 1.95 - 3.50
Propionate, bots. ..... lb. 1.65 - 2.30
Salicylate, bots. ..... lb. 1.80 - 2.25
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots. ..... lb. 9.50 - —
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls. ..... lb. .30 - .35
Betagammapicoline, dms., c.l., works. lb. .21 - .23½
l.c.l., works ..... lb. .21½ - .24

Betanaphthol, resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works ..... lb. .30 - —
l.c.l., works ..... lb. .32 - —
Benzoate, fib. dms., works ..... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .73 - .80
Betaphenylethylamine, dms., works, 1,000 lb. lots ..... lb. 1.45 - —
smaller lots ..... lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works lb. 1.55 - —
98%, dms., c.l., works ..... lb. 1.85 - —
Beth root, bls. ..... lb. .45 - .50
Biotin, cryst. ..... gram. 12.50 - —
Bismuth chloride, jars ..... lb. 3.95 - —
Citrate, USP VIII, jars ..... lb. 3.27 - —
Hydroxide, dms ..... lb. 4.18 - —
Metal, bxs., ton lots ..... lb. 2.00 - —
Nitrate, cryst., dms ..... lb. 1.85 - —
Oxychloride, dms ..... lb. 3.97 - —
Oxide, anhydrous, dms ..... lb. 4.60 - —
Phenolsulphonate, fib. dms ... lb 4.70 - —
Subcarbonate, USP, dms ..... lb. 2.80 - —
Subgallate, NF, fib. dms ..... lb. 2.75 - —
Subiodide, fib. dms. ..... lb. 4.90 - —
Submitrate, USP, dms ..... lb. 2.30 - —
Subsalicylate, USP, dms ..... lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½ - —
cs., l.c.l., shipt. point ... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd ... lb. .14¾ - .22¾

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Black, carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works ..... lb. .07½ - —
l.c.l., dlvd. or whse. ... lb. .11¼ - .117
uncompressed, regular, bgs., c.l., works lb. .0832 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .13¾ - —
furnace, fast extruding, bgs., c.l., works lb. .05½ - —
ctns., l.c.l., whse ..... lb. .09½ - —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse ..... lb. .09 - —
semi-reinforcing, bgs., c.l., works lb. .03½ - —
ctns., l.c.l., whse ..... lb. .07½ - —
very fine, bgs., c.l., works lb. .07½ - —
l.c.l., dlvd. or whse .... lb. .1125 - .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾ - —
l.c.l., works ..... lb. .11 - —
Lamp, bgs., c.l., works ..... lb. .07 - .30
Mineral, bgs., works ..... lb. .0160 - 0675
Black ash (see Barium sulphide).
Blackberry root, bls. ..... lb .12 - 13
bark of root, bls. ..... lb. .32 - 33
Black dyes (see Dyes).
Black haw, root bark, bls. ..... lb. .78 - .82
Tree bark, bls ..... lb. .28 - .30
Black Indian hemp root, bls ..... lb. .48 - .52
Blanc fixe, dry, by-product, bgs., c.l., works ton. 77.50 - —
l.c.l., works ..... ton. 85.00 - —

Antipyrine—Blue, Cobalt

Blanc fixe, dry, direct process, bgs., c.l., works ton. 85.00 - —
l.c.l., works ..... ton. 90.00 - —
N. Y. whse. ..... ton. 103.00 - —
bbls., c.l., works ..... ton. 90.00 - —
l.c.l., works ..... ton. 95.00 - —
N. Y. whse. ..... ton. 113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton. 67.00 - —
l.c.l., same basis ..... ton. 73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..... 100 lbs. 4.75 - —
Blood, dried, 16-16½% ammo., bgs unit-ton. 10.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 9.50 - —
soluble, bgs., c.l. ..... lb. .17 - .19
l.c.l., ... lb .18 - .25
Bloodroot, bls. ..... lb. .58 - .67
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..... lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
l.c.l., ... lb .15 - .16
Celestial, bbls., same basis .... lb. .15 - .16
Chinese, bbls., same basis ..... lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).

Blue, Copper-phthalocyanine—Calcium Phosphate

Blue, copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. 45 - —
Peacock, fugitive, 100% color strength, same basis lb. 60 79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. 51 - —
Prussian, bbls., same basis lb. 45 - —
soluble, bbls., same basis lb. 45 - —
Soda CP, bronze, bbls., same basis lb. 39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. 25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb. 2.60 - 2.70

Blue dry colors, dlvd. prices 1c.c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls. lb .55 - .60
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .08 - .09
Bone, raw, bulk, Chicago ton.75.00 —
junk, bulk, same basis ton.30.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.65.00 - —
Chicago, works ton.65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. work, ton.65.00 - —
Chicago, works ton.65.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.60.00 - —
Chicago, works ton.60.00 - —
Phosphate, defluorinated (see D).
precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 .16
Borage flowers, bls. lb .45 .50
Borax, tech., 99½%, cryst., paper bgs., c.l., works, frt. split ton.74.50 —
ton lots, ex whse., N. Y. or Chi ton.97.50 - —
less ton lots, same basis ton.102.50 - —
bbls., c.l., works, frt. split ton.94.50 - —
ton lots, ex whse., N. Y. or Chi ton.117.50 - —
less ton lots, same basis ton.122.50 - —
bulk, frt. split, works ton.44.50 -47.50
paper bgs., c.l., works, frt. split ton.43.50 - —
ton lots, ex whse., N. Y. or Chi ton.71.50 - —
less ton lots, same basis. ton.76.50 - —
bbls., c.l., works, frt. split ton.68.50 - —
ton lots, ex whse., N. Y. or Chi ton.91.50 - —
less ton lots, same basis. ton.96.50 - —
powdered, paper bgs., c.l., works, frt. split ton.53.50 - —
ton lots, ex whse., N. Y. or Chi ton.76.50 - —
less ton lots, same basis. ton.81.50 - —
bbls., c.l., works, frt. split ton.73.50 - —
ton lots, ex whse., N. Y. or Chi ton.96.50 - —
less ton lots, same basis. ton.101.50 - —

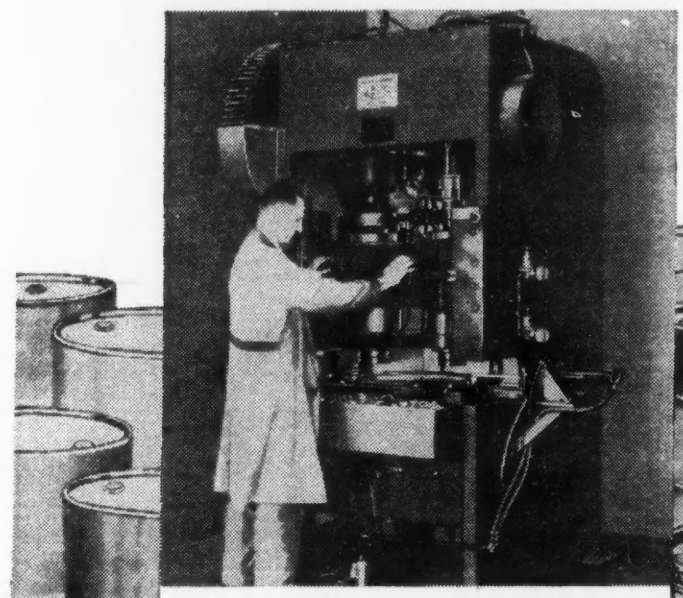
Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs., same basis lb. .23 - —
single pkgs., same basis lb. .28 - —
dms., lead-lined, c.l., dlvd lb. .19 — —
Bromoform, USP, bots lb. 1.50 1.70
cbys. lb. 1.42 —
Bromstyrol, bots lb. 4.85 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works lb. .50 .60
moulding, cans, dms., works lb. .80 1.00
printing ink, cans, dms., works lb. .95 1.10
radiator, cans, dms., works lb. .60 .65
Broomtop, bls. lb. .25 .26
Brown, iron, synth., bgs., l.c.l., works lb. 12½ - —
Oxide, metallic, bgs., works lb. .03 - .03¼
Sap, crystals, works lb. .12 - —
powdered lb. .13 —
Sienna, burnt, paper bags., c.l., works lb. .03¾ - .14¾
l.c.l., works lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works lb. .04¼ - .12¾
Umber, burnt, American, c.l., bbls., works lb. .04¾ - .05¾
l.c.l., bgs., works lb. .05 .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y. lb. .05¾ - .07¾
l.c.l., works lb. .06 - .08
raw, American, bgs., same basis lb. .03¾ .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works lb. .09¾ - .12
Brucine, cns., 100 ozs oz. .40 - .50
Sulphate, cns., 100 ozs oz. .30 - .40
Bryonia root, bls lb. .25 .36
Buchu leaves, bls. lb. .85 - .90
Buckthorn bark, bls lb. .23 .24
cut and sifted, bls lb. .26 .28
Berries, bgs lb .85 - 1.00
Burdock, root, bls. lb. .23 - .25
Butadiene, cyls., refy lb. .19 - —
tanks, same basis lb. .11½ - —
Butane, indust., tanks, group 3 gal. .06 - —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss. lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .17½ - —
tankwagons, same basis lb. .18 - —
other production, dms., c.l., same basis lb. .19 - .19½
l.c.l., same basis lb. .20 - .20½
tanks, same basis lb. .17½ - .18
synthetic, normal, dms., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .20 - —
tanks, same basis lb. .17½ - —
secondary dms., c.l., dlvd. E. of Miss lb. .14½ - —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —
Normal butyl acetate W. of Miss., 1c. per lb. higher
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works lb. .20½ - —
l.c.l., works lb. .21½ - —
tanks, works lb. .19½ - —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .43½ - —
l.c.l., same basis lb. .46½ - —
tanks, same basis lb. .44 - —
Laurate, dms., works lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-4, cns., works lb. .63 - —
Myristate, dms., works lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 —
Butyl phenylacetate, dms. lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd. lb. No stocks
tanks, dlvd. lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies lb. .43½ - —
l.c.l., same basis lb. .44½ - —
Butyric ether (see Ethyl butyrate).

C

Cadmium bromide, jars lb. 2.10 - 2.15
Iodide, jars lb. 5.10 - —
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd lb. 2.00 - —
patent shapes, cs., dlvd lb. 2.10 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more lb. 4.75 5.00
anhydrous, dms., 100 lbs. or more lb. 5.00 - —
Citrated, dms., 100 lbs. or more lb. 3.00 - —
Hydrobromide, bots. lb. 6.50 - —
Calabar beans, bgs., futures lb. .65 .66
Calamus root, dom., bgs. lb. .28 - .30
imported, bleached, bls. lb. .70 - .83
peeled, bls lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works, gram. 4.00 - —
1,000 to 10,000 s.u., works, gram. 4.40 - —
less than 1,000 s.u., works, gram. 4.80 - —
In edible oil, dms., 10,000 or more unit. .10 - —
1,000 to 10,000 s.u., works unit. .11 - —
less than 1,000 s.u., works unit. .12 —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. lb. .10½ - —
l.c.l., same basis lb. .11½ - —
Calcium bromide, NF, jars lb. .75 - .85
Carbide, dms., c.l., works ton.114.00 -147.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.22.00 —
l.c.l., same basis ton.37.00 -67.00
liquor, works, basis 40%, tankcars ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies lb. .30 .50
Gluconate, AA, bbls lb. .65 - .72
cns. lb. .83 - .90
USP, bbls. lb. .58 - .65
cns. lb. .76 - .83
Hydride, dms., works lb. .90 —
Glycerophosphate, NF, fib. dms. lb. 1.65 1.80
Hypochlorite, 100 lb. dms., dlvd. E. of Rockies dm.24.00 -26.50
cans, cased (45 lbs.) same basis cs.19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 —
Lactate, USP, dms lb. .37 - .44
Laurate, bbls lb. .43 - .44
Mandelate, USP, dms., works lb. 1.85 - 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld. lb. .23¾ - .24¼
Pantothenate dextro jars gram .07½ —
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feeding grade, bgs., works ton.105.00-125.00
food grade, bbls., 10 or over, works lb. .07 .07¾
less than 10, works lb. .08 .10

How America's Drum Manufacturers Are Meeting Their Production Needs



New Tri-Sure Presses Install Flanges in a Single Operation

The new Tri-Sure presses pictured here, the result of many years of research, enable drum manufacturers to convey the drumheads or drum shells to the presses and (1) *puncture* the head or shell, and (2) *install* ¾" and 2" flanges—all in a *single, continuous* operation. These new Tri-Sure presses accomplish in one operation what formerly required four separate steps for the drumhead and two separate steps for the shell. The result is a tremendous saving in time, and the maintenance of an absolutely uniform standard of accuracy in flange insertion.

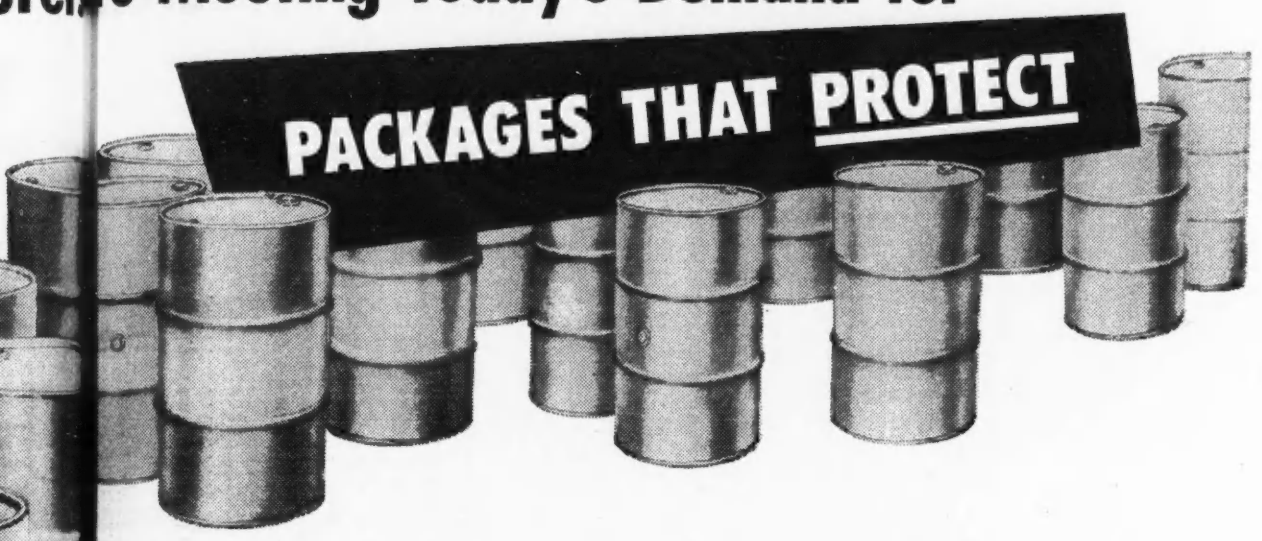
Every product we make in drums

EVERY DRUM MANUFACTURER CAN SUPPLY YOU WITH DRUMS

American Can Company, Toledo, Ohio
R. E. Chapin Mfg. Works, Inc., Batavia, N. Y.
Cleveland Steel Barrel Company, Cleveland, Ohio
Eaton Metal Products Corporation, Omaha, Nebr.
Florida Drum Company, Inc., Pensacola, Fla.
Geuder, Paeschke & Frey Co., Milwaukee, Wisc.
Giant Manufacturing Co., Council Bluffs, Iowa
The Globe Steel Barrel Co., Cleveland, Ohio
Inland Steel Container Company, Chicago, Ill. Jersey City, N. J. New Orleans, La.
J & L Steel Barrel Co., Bayonne, N. J. Cleveland, Ohio Gretna, La. No. Kansas City, Mo.
Philadelphia, Penna. Port Arthur, Tex.
Manion Steel Barrel Co., Rousseville, Penna.
Myers Drum Company, Richmond, Calif.
National Enameling & Stamping Co., Granite City, Ill. Laurel Hill, L. I., N. Y.
National Steel Container Corporation, Chicago, Ill.
Niedringhaus Metal Products, St. Louis, Mo.
Niles Steel Products, Niles Plant—Stevens Plant, Niles, Ohio

Calcium phosphate, monobasic, bgs., 10,000 lbs., works, frt. equald.	lb.	.05¾-	—
less, same basis	lb.	.06¼-	—
tribasic, bgs., c.l., works	100 lbs.	6.60	—
bgs., l.c.l., works	100 lbs.	6.95	- 7.30
Phytate, bgs., works	lb.	.22	- —
Resinate, precip., dms., frt. alld. works	lb.	.24	- —
Silicate, hydrated, bgs., c.l., works,	lb.	.05½-	—
l.c.l., works	lb.	.06	- —
Stearate, precip., ctns., c.l., works,	lb.	.39	- —
l.c.l., works	lb.	.40	- .41
Sulphate (see Gypsum).			
Sulphide, 76%, bgs., c.l., works	ton.	45.00	- —
70%, bgs., c.l., works	ton.	50.00	- —
luminous tins, works	lb.	1.25	- —
Sulphocarbolate, bbls., dms	lb.	.59	- .60
Calcium-strontium sulphide, phosphorescent, dms., works	lb.	1.06	- 1.50
fine particle size, works	lb.	1.50	- 1.75
Calendula flowers, bis	lb.	.50	- .85
Calomel, USP, cryst., dms	lb.	1.82	- 1.83
fine powd., dms	lb.	1.97	- 1.98
Camphor, monobromated, dms., kgs.	lb	3.10	- 3.20
Camphor, natural	lb	No stocks.	
synth., tech., bbls., 2,000 lbs. or more, works	lb.	.42	- —
10 bbls. (1,500 lbs.)	lb.	.44½-	—
smaller lots	lb.	.45	- .55
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.66	- —
1,000-lb. lots	lb.	.67	- —
smaller lots	lb.	.68	- —
tablets, tins, 2,000-lb. lots	lb.	.83	- —
1,000-lb. lots	lb.	.84	- —
smaller lots	lb.	.85	- —
Canada balsam (see Fir balsam).			
Cantharides, Chinese, cs	lb.	1.25	- 1.30
powd., bxs	lb.	1.40	- 1.50
Cantharides, Russian, bgs	lb.	5.00	- 5.25
powd., bxs	lb.	5.73	- 6.00
Capsicum (see Pepper, red).			
Oleoresin, NF VIII, cns	lb.	6.50	- 6.73
Caramel coloring, bbls	gal.	1.03	- —
Caraway seed, Danish, bgs., afloat.	lb.	.19½-	.20
Dutch, bgs	lb.	.20	- .20½
Carbazole, 97%, steel dms., ton lots, works	lb.	1.75	- —
fib. dms., same basis	lb.	1.70	- —
Carbinol butyl, normal (see Alcohol, amyl, refined)			
secondary, dms., l.c.l., works	lb.	.70	- —
Methylisobutyl, dms., c.l., frt. alld. E	lb.	.14½-	—
l.c.l., same basis	lb.	.15	- —
tanks, same basis	lb.	.13	- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points	lb.	.05¾-	—
l.c.l., same basis	lb.	.06¾-	—
5-gal. dms., c.l., same basis	lb.	.07¾-	—
l.c.l., same basis	lb.	.08¾-	—
Dioxide, cyls	lb.	.06	- .08
Tetrachloride, CP, dms., works	lb.	.06½-	.11
tech., dms., E. of Rockies, c.l., frt. alld	lb.	.07½-	—
W. of Rockies, c.l., frt. alld.	lb.	.08	- —
l.c.l., frt. alld.	lb.	.08	- —
USP, cbys	lb.	.17	- .19
Carboxymethylcellulose-Sodium—See CMC.			
Cardamom fruit, bleached, bold, cs.,	lb.	2.75	- 2.80
medium, cs	lb.	2.10	- 2.65
decorticated, Guatemalan, cs	lb.	2.00	- 2.05
Indian, cs, futures	lb.	2.00	Nom.
green, Alleppey, bgs., futures	lb.	1.74	- 1.76
Seed (See Cardamom fruit, decorticated).			
Carmine, No. 40, NF, bulk, 100 lbs. or more	lb.	5.50	- —
smaller lots	lb.	5.63	- 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg.		5.00	- —
90% beta-10% alpha, ampuls 100 mg.		2.00	- —
bulk grain quantities	gm.	5.00	- —
technical, 1,350,000 A units per gram	gm.	.67½-	—
tins, works	gm.	.62	- —
dry powder, 3,330 A units per gram	lb.	.70	- —
emulsion (in milk), 500,000 A units per 16-oz. cn	cn.	.85	- —
in vegetable oil, 250,000 A units per gram	lb.	37.50	- —
50,000 A units per gram	lb.	7.87	- —
26,000 A units per gram, 3,330 A units per gram	lb.	.85	- —
microcrystalline, in oil, 400,000 A units per gram, tins, works	milli. units.	.50	- —
tins, works	milli. units.	.32	- —
dms., works	milli. units.	.30	- —
Carvol, bots	lb.	9.50	-16.00
Cascara sagrada bark, bulk	lb.	.37	- .40
Case-hardening mixture, 30% gran., dms., l.c.l., dlvd.	lb	.09¾-	—
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	.30	- —
rennet-precip., 10,000 lbs. or more, same basis	lb.	.24	Nom.
imported, acid-precip., ground, bgs., or more	lb.	.25½-	.27
rennet-precip., unground, 100 or more	lb.	.30	Nom.
Cashew nut liq., treated, c.l., dms., f.o.b. Newark, N. J.	lb.	.21	- —
ton lots, dms., same basis.	lb.	.22½-	—
dm. lots, same basis	lb.	.24½-	—

...re Meeting Today's Demand for



TODAY, American industry is asking not only for *more* drums than ever before, but for drums which are so strong, well-constructed and perfectly equipped that they offer absolute security to their contents.

To meet the increasing *demand*, the steel shipping container industry has doubled its output in less than a decade—with an annual output of 1,000,000 tons of sheet steel—making it the second largest single user of sheet steel in America.

To maintain the highest standards of *quality*, drum manufacturers are now applying new techniques that assure smoother drums of greater strength and durability.

And to provide the *protection* which fine products require—protection from seepage, leakage and tampering—every drum manufacturer in the United States is equipped to install Tri-Sure Closures*.

Tri-Sure flanges, octagonal-shaped to prevent turning, are inserted at the time of manufacture and made an integral part of the steel container body.

Precision dies for this operation are in the plants of all drum manufacturers. By just specifying "Tri-Sure Closures" to your supplier, your drums are delivered with flanges that are as strong as the drum itself, and plugs which screw securely into the flanges — ready for your application of the leak-proof, tamper-proof, heavy-gauge Tri-Sure seals.

*The "Tri-Sure" Trademark is a mark of reliability backed by 26 years serving industry. It tells your customers that genuine Tri-Sure flanges (inserted with genuine Tri-Sure dies), plugs and seals have been used.

Play Safe by Specifying Tri-Sure Closures on Every Drum Order

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

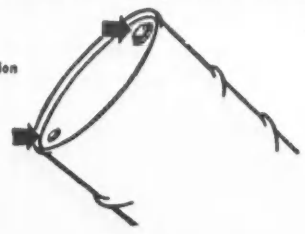
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

...e in drums equipped with Tri-Sure Reg. U.S. Pat. Off.

CLOSURES

...IPPED WITH TRI-SURE FLANGES AND PLUGS

...o Ohio Corrugating Company, Warren, Ohio
...Boom Manufacturing Company, Bayonne, N. J., Chicago, Ill., Houston, Tex., New Orleans, La., Richmond, Calif., South Gate, Calif., Sparrows Point, Md.
Southern States Iron Roofing Company, Savannah, Ga., Hattiesburg, Miss.
Southline Metal Products Company, Inc., Houston, Tex.
Stainless & Steel Products Co., St. Paul, Minn.
The F. C. Thornton Co., Cleveland, Ohio
United States Steel Products Company, Alameda, Calif., Beaumont, Tex., Chicago, Ill., Los Angeles, Calif., New Orleans, La., Sharon, Penna.
United Steel Barrel Corporation, Philadelphia, Penna.
United Steel Barrel Corporation of Delaware, Wilmington, Dela.
Wheeling Steel Corporation, Wheeling, W. Va.



Calcium Phosphate—Cinchona Bark

Cassia bark, Batavia, No. 1	lb.	.45	- .46
broken, bls	lb.	.34	Nom.
shortstick, bls	lb.	.26	Nom.
China, buds	lb.	.35½-	.36
rolls, select, cs	lb.	.10½-	.11
broken, bls	lb.	.10	- .10½
Kwangsi, rolls, bls	lb.	.11	- .11½
Saigon, broken, bls	lb.	.26	- .27
medium, bls	lb.	.35	- .35½
thin, bls	lb.	.41	- .41¼
Yunnan, bls	lb.	.20	- .21
Buds, China, bgs	lb.	.32	- .33
Cassia fistula, bskts	lb.	.30	- .35
Castor beans, bgs., Nov. ship't, Brazilian ports	long ton.	125.00	Nom.
Oil (see Oil, castor).			
Pomace, bgs., c.l., works	ton.	27.50	- —
Castoreum, nat., cns	lb.	12.00	-45.00
synthetic, cns	lb.	22.00	- —
Catechol, CP, cryst., fib. dms., works.	lb.	2.00	- —
resublimed, dms., works	lb.	4.00	- —
Catnip, bls	lb.	.55	- .60
Celery seed, French, bgs	lb.	.24	- .25
Indian, bgs	lb.	.20	- .20½
futures, bgs	lb.	.19½-	.20
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.36	- —
granules, ctns., same basis	lb.	.42	- —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld	lb.	.47	- —
l.c.l., same basis	lb.	.49	- .51
regular black, dms., l.c.l., same basis	lb.	.33	- .39
variegations, dms., l.c.l., same basis	lb.	.54	- .59
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works	lb.	.52	- —
less than 500 lbs., works.	lb.	.53	- —
17.5% butyryl content, ctns., 500 lbs. and over, works	lb.	.49	- —
less than 500 lbs., works	lb.	.50	- —
26.5% butyryl content, ctns., 500 lbs. and over, works	lb.	.53	- —
less than 500 lbs., works	lb.	.54	- —
gran., 37% butyryl content, ctns., 500 lbs. and over, works	lb.	.51	- .57
less than 500 lbs., works	lb.	.52	- .58
46% butyryl content, ctns., 500 lbs. and over, works	lb.	.57	- —
less than 500 lbs., works	lb.	.58	- —
molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld	lb.	.56	- .61
regular black, dms., l.c.l., same basis	lb.	.47	- .51
variegations, dms., l.c.l., same basis	lb.	.61	- .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.40	- —
Cerium hydrate, dms., works	lb.	1.25	- —
Oxalate, NF, bbls., bgs., works	lb.	.70	- .72
Oxide, optical grade, bgs., under 100 lbs., works	lb.	2.25	- —
kgs., 100-lb. lots, works	lb.	1.75	- —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works	lb.	.02¾-	.03½
l.c.l., ex whse	lb.	.04	- —
paint, bgs., c.l., works	ton.	40.00	- —
papermakers, bgs., c.l., works.	ton.	32.50	-40.00
rubber makers, bgs., c.l., works.	ton.	30.00	- —
Chamomile flowers, Hungarian, cs	lb.	.46	- .50
Roman, bls	lb.	1.10	- 1.30
Charcoal, hardwood, briquets, bulk, c.l., works	ton.	49.50	- —
bgs., c.l., works	ton.	54.50	-55.50
granular, bgs., incl., c.l., works.	ton.	50.50	- —
lump, bulk, c.l., works	ton.	39.50	-43.50
bgs., extra, returnable, c.l., works	ton.	42.50	-45.50
screenings, bgs., works	ton.	33.50	- —
Pinewood, gran., powd., bgs., c.l., works, South	ton.	40.00	- —
l.c.l., works	ton.	50.00	-60.00
lump, bgs., c.l., works, South	ton.	35.00	- —
Willow, powd., bbls	lb.	.06	- .07
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0465-	—
l.c.l., works	lb.	.0495-	—
tanks	lb.	.0390-	—
powd., 65% tannin, bgs., extra, c.l., works	lb.	.1105-	—
l.c.l., works	lb.	.1170-	.1180
China clay, dom., dry-grd., air-float, 99.75% 500 mesh, bgs., c.l., works	ton.	12.50	-13.00
l.c.l., works	ton.	13.50-	14.00
bulk, c.l., works	ton.	9.50	-10.00
99% 200 mesh, bgs., c.l., works	ton.	10.00	-12.00
l.c.l., works	ton.	11.00	-16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works.	ton.	13.00	- —
paper bgs., c.l., works.	ton.	15.00	- —
imported, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net	ton.	16.00	-35.00
powd., bgs., c.l., ex dock	ton.	45.00	- —
l.c.l., ex whse	ton.	50.00	-55.00
Chloral, dms., works	lb.	.45	- .50
Hydrate, jars	lb.	.90	- .93
Chlordane, agricultural, dms., l.c.l., stock points	lb.	1.05	- 2.00
refined, dms., stock points	lb.	1.20	- 2.13
Chlorinated rubber, standard, ctns., c.l., works	lb.	.42	- —
l.c.l., works	lb.	.43	- —
Chlorine, tiquid cyls., c.l., works	lb.	.07	- .12
l.c.l., stock points	lb.	.09	- .19
tanks, single units, works, frt. equald 100 lbs.		2.40	- —
multiple units, 3 cars, works, frt. equald 100 lbs.		2.70	- —
2 cars, same basis 100 lbs.		3.30	- —
1 car, same basis 100 lbs.		3.90	- —
Chloroform, tech., dms	lb.	.20	- .23
USP, dms.	lb.	.30	- .33
Chloro(4)-2-Toluidine, bbls.	lb.	1.38	- —
Chloropicrin, com'l, bots	lb.	1.35	- —
cyls., 180-lbs., frt. alld	lb.	.85	- —
100-lbs., same basis	lb.	.87	- —
25-lbs., same basis	lb.	1.12	- —
Cholesterol, USP, fib. dms., 100-lb. lots	lb.	8.50	- —
5-lb. pkg.	lb.	9.00	- —
1-lb. pkg.	lb.	9.50	- —
Choline chloride, fib. dms., works	lb.	3.00	- 3.10
feed grade, fib. dms., works	lb.	2.20	- —
Dihydrogen citrate, fib. dms., works,	lb.	3.00	- 3.10
Chromium acetate, powd., 72% Cr., bbls., works	lb.	No stocks	
solut., 7½%, bbls., cs	lb.	.09¼-	—
8½%, bbls., cs	lb.	No stocks	
Cake, bulk, c.l., works	ton.	16.00	- —
Chromium fluoride, bbls., works	lb.	.24	- .27
Green (see Green, chrome).			
Oxide (see Green, chromium oxide).			
Oleate, bbls.	lb.	.54	- —
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, USP, bots.	lb.	7.65	- 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs	lb.	1.26	Nom.
broken, bgs	lb.	.45	- .50
yellow, broken, bgs.	lb.	.35	- .40

Cinchonidine—Dyes, Coaltar, for Stains

Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., ens., 100 ozs .. oz. .85 - —
Sulphate, N.F., cns., 100 ozs .. oz. .42 - —
Cinchophen, N.F., heavy, dms., works, lb. 4.20 - 4.30
standard, dms., works lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms lb. .75 - 1.25
Cinnamon, Ceylong, No. 2, bis lb. .27 - .28
Citral, bots., cns. lb. 3.75 - 5.00
Citronellal, bots., dms. lb. 2.75 - 7.75
Citronellol, bots., dms. lb. 3.25 - 4.75
Clove, Madagascar, bls lb. .13 - .13½
futures, bls. lb. .15 - .15½
Zanzibar, bls. lb. .18½ - .19
Clover tops, red, dom., bgs. lb. .60 - .70
imported, bgs. lb. No stocks
CMC, high vis., ctns., 2,000 lbs., works, frt. alld lb. .66 - —
smaller lots, same basis lb. .70 - —
low and medium vis., ctns., 2,000 lbs., works, frt. alld lb. .62 - —
smaller lots, same basis lb. .66 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., works gal. .24½- —
l.c.l., works gal. .26 - —
tanks, works gal. .14½- —
refd., bbls., c.l., works gal. .25½- —
l.c.l., works gal. .27 - —
tanks, works gal. .15½- —
Cobalt acetate, bbls., dlvd. lb. .90 - —
Carbonate, powd., bgs., works lb. 1.58 - —
feed grade, 49½% Co, kgs lb. 1.58 - —
Chloride, kgs., works lb. .87½- —
feed grade, 24.5% Co, kgs lb. 1.25 - —
Hydrate, bbls lb. 2.04 - —
feed grade, 62% Co, kgs lb. 2.04 - —
Linoleate, paste, 6% Co, dms lb. .56 - —
solid, 8½% Co, dms lb. .65 - —
8% Co, dms lb. .61¼- —
Naphthenate, liq., 6% Co, dms., frt. alld lb. .37¼- .37¾
Nitrate, feed grade, 20.4% Co, bbls lb. .75¾- —
Oxide, black, kgs lb. 1.27½- 1.80
Phosphate, feed grade, 34% Co, kgs lb. 1.26½- —
Resinate, precip., 7.5% Co, dms lb. .38½- —
Sulphate, dms lb. .65 - —
feed grade, 21% Co, kgs lb. 1.00 - —

Cobalt salts, feed grade, quotations are f.o.b. Phila., Cleve., or N. Y.

Cobalt-ammonium sulphate, 14% Co, kgs lb. 75 - —
Cocaine hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs. lb. .21 - .22
Cocoa butter, bgs lb. .89 - .90
Cocoine, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs .. oz. 11.85 - —
Phosphate, cns., 100 ozs oz. 10.25 - —
Sulphate, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .22 - .24
Blue, root, bls lb. .18 - .19
Colchicine, bots., cns oz. 145.00 - 160.00
Colchicum seed, bgs., futures lb. 3.00 - 3.25
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls. lb. .45 - .47
Colombo root, bls lb. .18 - .19
Coltsfoot leaves, bgs lb. .40 - .45
Condurango bark, bgs. lb. .20 - .21
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 52-54%, bbls lb. .25¼- .26¼
Chloride, anhyd., bbls lb. .29 - —
crystals, bbls lb. .20 - .20¾
Cyanide, tech., bbls lb. .46 - —
Hydrate, dms., dlvd. E. Miss lb. .27½- .28
Metal, electrolytic lb. .23½- —
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- .23¼
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾- —
12.5% Cu, bbls lb. .44½- —
Oxide, black, bbls., works lb. .30½- .32½
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Resinate, precip., dms., frt. alld lb. .25 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - —
l.c.l. 100 lbs. 9.10 - —
monohydrated, 35%, dms., c.l., dlvd 100 lbs. 13.50 - —
tribasic, dealers, bgs., works, c.l. lb. .22¾- —
l.c.l., works lb. .23¾- .24¼
Copperas, cryst., gran., bgs., c.l., works ton. 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.00 - —
Copra, c.i.f., Pacific ports ton. 250.00 - —
Atlantic or Gulf ports ton. 255.00 - —
Coriander seed, Argentine, bgs., tu- tures lb. .05½- .06
Italian, bgs lb. .05½- .06
Moroccan, bgs lb. .06½- .07
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.59 - —
bbls., c.l., same basis 100 lbs. 5.64 - —
Syrup, 42°, bbls., c.l. 100 lbs. 5.95 - —
l.c.l. 100 lbs. 6.10 - —
Cornsilk, bls. lb. .17 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls. lb. .33 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S. E ton. 65.00 - —
Coumarin, ens., 25 lbs. lb. 3.00 - 3.10
smaller lots lb. 3.05 - 3.15
Cramp bark, NF, bls lb. .80 - .85
Cranesbill root, bls lb. .30 - .31
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .32½- —
smaller lots lb. .33 - .34
Imported, kgs. lb. .30½- .30¾
Creosote, beachwood, bots., cbys lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .16 - .19½
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
Hardwood, NF, bots., cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Creosote carbonate, bots., cbys lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald lb. .19 - .19¼
l.c.l., same basis lb. .19¼- .19¾
tanks, same basis lb. .18¼- .18½
USP, dms., c.l., same basis lb. .18¾- .19¼
l.c.l., same basis lb. .19¼- .19¾
tanks, same basis lb. .18¼- .18½
Crotonaldehyde, 91-93%, dms., 55 and 110 gals., l.c.l., works lb. .16½- .26
5 and 10 gals., l.c.l., works lb. .22 - —

Cryolite, nat., dealers, bgs., bbls., c.l., works 100 lbs. 12.75 - —
bbls., l.c.l., works 100 lbs. 13.75 - 14.75
Cube root, powd., 5% rotenone, bbls., works lb. .31 - .33
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs. lb. .50 - .55
powd., cs. lb. .60 - .65
Culvers root, bbls lb. .60 - .70
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Cyprian, bgs lb. No stocks
Indian, bgs., futures lb. .40 - .41
Italian, bgs lb. .08½- .09
Moroccan, bgs lb. No stocks.
Persian, bgs. lb. .18¾- .19¼
Syrian, bgs. lb. .17¼- .17¾
Cutch, extract, 55% tannin, bgs., ex dock lb. .09½- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works. lb. .09½- .12½
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works. lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, cyls., dlvd gal. .27 - —

D

Damiana leaves, bls lb. .45 - .50
Dandelion root, bls. lb. .45 - .50
DDT, fiber drums, c.l., works lb. .32 - —
smaller lots, works lb. .33 - .34
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton. 41.65 - 52.50
Rock, paper bgs., works ton. 34.25 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa., bbls lb. .16 - .18
over 2% ffa., bbls lb. .15 - .17
Derris root, 5% rotenone, powd lb. .40 - —
Dextrin, corn, British gum, bgs., c.l., 100 lbs. 7.09 - —
Chicago 100 lbs. 6.50 - —
l.c.l. 100 lbs. 7.24 - —
Canary, bgs., c.l. 100 lbs. 6.83 - —
Chicago 100 lbs. 6.24 - —
l.c.l. 100 lbs. 6.98 - —
dark, bgs., c.l. 100 lbs. 6.93 - —
Chicago 100 lbs. 6.34 - —
l.c.l. 100 lbs. 7.08 - —
white, bgs., c.l. 100 lbs. 6.68 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.83 - —
Potato, dom., bgs lb. .10½- .11½

Above prices are for dextrin in paper bgs.; cotton bgs., 17c. higher.

Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.20 - 5.35
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 - 52.00
California ton. 38.00 - 40.00
l.c.l., ex whse ton. 80.00 - —
purified, bgs., c.l., Atl. coast. ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .70¼- —
l.c.l., works lb. .70¾- —
tanks, works lb. .68¾- —
Dibutoxyethyl sebacate, dms., c.l., works lb. .58¼- —
l.c.l., works lb. .58¾- —
tanks, works lb. .56¾- —
Dibutyl phthalate, dms., c.l., dlvd lb. .33½- .38½
l.c.l., dlvd lb. .34½- .39
tanks, dlvd lb. .32 - .37
Sebacate, dms., c.l., works lb. .58 - —
l.c.l., works lb. .58½- —
tanks, works lb. .56½- —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld lb. .52½- —
l.c.l., frt. alld lb. .53½- —
tanks, frt. alld lb. .50 - —
Dicapryl sebacate, dms., c.l., works. lb. .58½- —
l.c.l., works lb. .59 - —
tanks, works lb. .57 - —
Dichloroanilin, dms., works lb. .75 - —
Dichlorodiphenyldichloroethane, fib. dms., c.l., works lb. .42½- —
ton lots, works lb. .45 - —
tins, small lots, works lb. .48 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald lb. .28 - —
Dicoumarol bots, works lb. 18.00 - —
Dicyclohexylamine, dms., works lb. .38 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., frt. alld. E lb. .26 - —
l.c.l., same basis lb. .27 - —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., l.c.l. lb. .46½- —
Maleate, dms., c.l., dlvd. lb. .62½- —
l.c.l., dlvd. lb. .61½- —
tanks, dlvd. lb. .60 - —
Oxalate, dms., c.l. lb. .35½- —
l.c.l. lb. .36½- —
tanks lb. .34 - —
Diethyl phthalate, dms., c.l., dlvd lb. .33½- —
l.c.l., dlvd lb. .34 - —
tanks, dlvd. lb. .32 - —
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms lb. .48 - .57
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17 - .17½
l.c.l., same basis lb. .18 - .18½
tanks, same basis lb. .15½- .16
Diethylether, dms., l.c.l., works. lb. .40 - —
Monobutylether, dms., c.l., works. lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, bots kilo. 300.00 - 330.00
Digitalin, cryst., bots gram. 15.00 - 18.00
powd., bots oz. 25.00 - 30.00
Digitalis leaves, dms. lb. .85 - 1.25
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l lb. .33 - —
Stearate, bbls., c.l lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .45¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .44¾- —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, gram. 1.28 - —
wholesalers gram. 1.03 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Dillseed, decorticated, bgs lb. .16 Nom.
dewhiskered, bgs. lb. .10½- .11
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .73 - —
l.c.l., works lb. .73½- —
tanks, works lb. .71½- —
Sulphate, ref. 55-gal. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
ref. 10-gal. dms., works lb. .16½- —
Dimethylamine, anhyd., cyl., works, basis 100% lb. .38½- .48½
25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .21 - .25¾
l.c.l. lb. .25 - .26¾
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .23
Dinitrochlorobenzene, dms lb. .14 - .18
Dinitrophenol, bbls lb. .28 - .32
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms lb. .17 - .21
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .44½- —
l.c.l., frt. alld lb. .45½- —
tanks, frt. alld lb. .43 - —
Diorthotolylguanidin, dms., ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .37 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC gal. .59 - —
l.c.l., same basis gal. .53 - .62
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .53 - .55
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .35 - —
smaller lots lb. .40 - —
Dipropylene - glycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 64.00 - 66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.50 - 1.55
reeds, cs. lb. 2.50 - 2.75

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns lb. 15.75 - 16.30
No. 2, cns lb. 15.75 - 16.30
Green, FD&C, No. 1, cns lb. 15.75 - 16.30
No. 2, cns lb. 20.55 - 21.15
No. 3, cns lb. 32.65 - 33.25
Orange, FD&C, No. 1, cns lb. 3.40 - 3.50
No. 2, cns lb. 4.30 - 4.40
Red, FD&C, No. 1, cns lb. 7.00 - 7.25
No. 2, cns lb. 3.70 - 3.80
No. 3, cns lb. 20.55 - 21.15
No. 4, cns lb. 6.65 - 6.95
No. 32, cns lb. 4.90 - 5.00
Yellow, FD&C, No. 1, cns lb. 9.70 - 10.25
No. 3, cns lb. 3.10 - 3.15
No. 4, cns lb. 3.10 - 3.15
No. 5, cns lb. 3.70 - 3.80
No. 6, cns lb. 3.70 - 3.80

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns lb. 10.10 - —
Blue, D&C, No. 4, cns lb. 13.55 - —
Brown, D&C, No. 1, cns lb. 14.90 - —
Green, D&C, No. 5, cns lb. 14.90 - —
No. 6, cns lb. 14.90 - —
No. 7, cns lb. 13.70 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots—
Orange, D&C, No. 3, cns lb. 10.10 - —
No. 4, cns lb. 18.55 - —
No. 5, cns lb. 5.25 - —
No. 10, cns lb. 19.15 - —
Red, D&C, No. 8, cns lb. 3.45 - —
No. 9, cns lb. 3.45 - —
No. 10, cns lb. 2.75 - —
No. 11, cns lb. 2.05 - —
No. 12, cns lb. 2.75 - —
No. 17, cns lb. 10.10 - —
No. 18, cns lb. 22.20 - —
No. 21, cns lb. 4.35 - —
No. 22, cns lb. 10.10 - —
No. 28, cns lb. 22.80 - —
No. 33, cns lb. 16.15 - —
Violet D&C, No. 1, cns lb. 13.55 - —
No. 2, cns lb. 14.90 - —
Yellow, D&C, No. 7, cns lb. 10.10 - —
No. 8, cns lb. 10.10 - —
No. 10, cns lb. 12.50 - —
No. 11, cns lb. 12.50 - —
No. 22, cns lb. 9.15 - —
No. 33, cns lb. 14.65 - —
No. 37, cns lb. 13.55 - —

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—
Green, Ext. D&C, No. 1, cns lb. 14.90 - —
Red, Ext. D&C, No. 1, cns lb. 12.50 - —
No. 3, cns lb. 26.40 - —
Yellow, Ext. D&C, No. 1, cns lb. 10.10 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)
26 Chrysodine G lb. .53 - .55
27 Orange G lb. .64 - .67
31 Amido naphthol red G lb. .53 - .56
36 Alizarine yellow 2G lb. .74 - .76
40 Alizarine yellow R lb. .87 - .91
57 Amido naphthol red 6B lb. .87 - .91
79 Ponceau R lb. .61 - .64
151 Orange II lb. .39 - .41
165 Red lake C lb. 1.05 - —
176 Red lake A lb. .75 - .78
179 Azo rubine lb. .85 - .88
180 Diamond blue 3B lb. .83 - .88
185 Cochineal red A lb. .77 - .80
202 Chrome blue black R lb. .51 - .53
203 Chrome black T lb. .59 - .62
208 Sulphon acid blue R lb. .75 - .80
216 Acid alizarin red B lb. .69 - .72
234 Resorcin brown lb. .74 - .77
246 Naphthol blue black lb. .64 - .67
278 Benzo fast red SBL lb. 2.66 - 2.73
289 Sulphon cyanine 5R extra lb. .90 - .94
299 Diamond black F lb. 1.13 - 1.18
304 Nerol 2B lb. 1.65 - 1.73
326 Benzo fast orange S lb. 1.41 - 1.46
332 Bismarck brown R lb. .67 - .70
363 Chrysophenine lb. 1.74 - 1.85
382 Diamine scarlet B lb. 1.47 - 1.53
401 Diamine black BH lb. .52 - .55
406 Benzo blue 2B conc lb. .88 - .94
419 Diamine fast red F lb. .94 - .97
420 Diamine brown M lb. .74 - .76
448 Benzo purpurine 4B lb. .88 - —
518 Diamine sky blue FF lb. 2.50 - —
561 Trisulphon brown B lb. 2.00 - —
581 Direct deep black EW extra. lb. .67 - —
593 Diamine green B lb. .80 - —
598 Congo brown G lb. 1.20 - —
620 Sun yellow lb. .69 - —
639 Xylene light yellow lb. 1.45 - —
640 Tartrazine lb. 1.20 - —
655 Auramine lb. 1.52 - —
657 Malachite green lb. 1.73 - —
662 Brilliant green lb. 2.30 - —
667 Brilliant milling green B lb. 3.03 - —
671 Glaucine lb. 1.43 - —
680 Methyl violet B lb. .95 - —
681 Crystal violet lb. 1.91 - —
693 Formyl violet S4B lb. 1.41 - —
720 Chrome azurol B lb. 3.03 - —
729 Victoria blue B lb. 2.48 - —
737 Wool green S lb. 1.98 - —
749 Rhodamine B lb. 3.85 - —
814 Chloramine yellow lb. 2.33 - —
841 Safranine lb. 2.17 - —
865 Nigrosine WSJ 78 lb. .56 - —
922 Methylene blue GXX lb. 1.28 - —
969 Hydron blue R lb. .67 - —
978 Sulphur black T extra lb. .26½- —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb. 2.30 - —
1054 Alizarin saphiro B lb. 2.40 - —
1078 Alizarin cyanine green lb. 2.42 - —
1085 Alizarin blue black B lb. 2.13 - —
1096 Indanthrene golden orange G, single paste lb. 1.81 - —
double paste lb. 3.62 - —
1099 Indanthrene dark blue BO, single paste lb. 1.45 - —
1101 Caledon jade green lb. 2.32 - —
1106 Indanthrene blue RS, single paste lb. 2.12 - —
double paste lb. 2.13 - —
1113 Indanthrene blue GCD, double paste lb. 1.60 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown PG lb. 2.30 - —
p-14 Anthracene chromate brown EB lb. 1.08 - —
p-24 Benzo fast black L lb. 1.80 - —
p-80 Diazo brilliant scarlet ROA lb. 2.61 - —
p-202 Zambesi black V lb. .90 - —
p-244 Celliton scarlet B lb. 1.37 - —
p-313 Naphthol AS-SW lb. 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse.
Black, blue, No. 550 lb. .67 - —
Jet, No. 551 lb. .72 - —
Brown, R, conc lb. 1.14 - —
Orange R, brilliant lb. .73 - —
Red, 4 B, conc lb. 1.13 - —
Yellow, C lb. .96 - —
FN, conc lb. 1.00 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.54 - —
Black, basic, blue lb. 1.00 - —
Jet lb. 1.00 - —
Blue, methylene, 2 B, conc lb. 1.33 - —
Brown, Bismarck, R, conc lb. .70 - —
Chrysodine, R, extra lb. .50 - —
Y, extra lb. .54 - —
Fuchsine, conc lb. 2.63 - —
Green, malachite, conc lb. 1.70 - —
Rhodamine, B lb. 4.37 - —
Safranine, Y, conc lb. 2.19 - —
Violet, methyl, B lb. .99 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Black, acid blue, B, extra lb. .67 - —
Orange, acid, Y, conc lb. .40 - —
Rhodamine, azo- R, extra, conc, lb. .79 - —
Scarlet, croceine, MOO lb. 1.28 - —
Yellow, azo-, conc lb. .89 - —
Fast light, 3 G, extra lb. 1.85 - —
Methanil, conc lb. .77 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

it's later than you think . . .

but, you can still jump your vitamin capsule profits this season—
Wire, write or phone Strong Cobb & Company today. We will tell you how.

New economies in our soft elastic capsule production give you the most favorable buying market in years. Ask for our comparative data sheets on Strong Cobb soft elastic capsules.

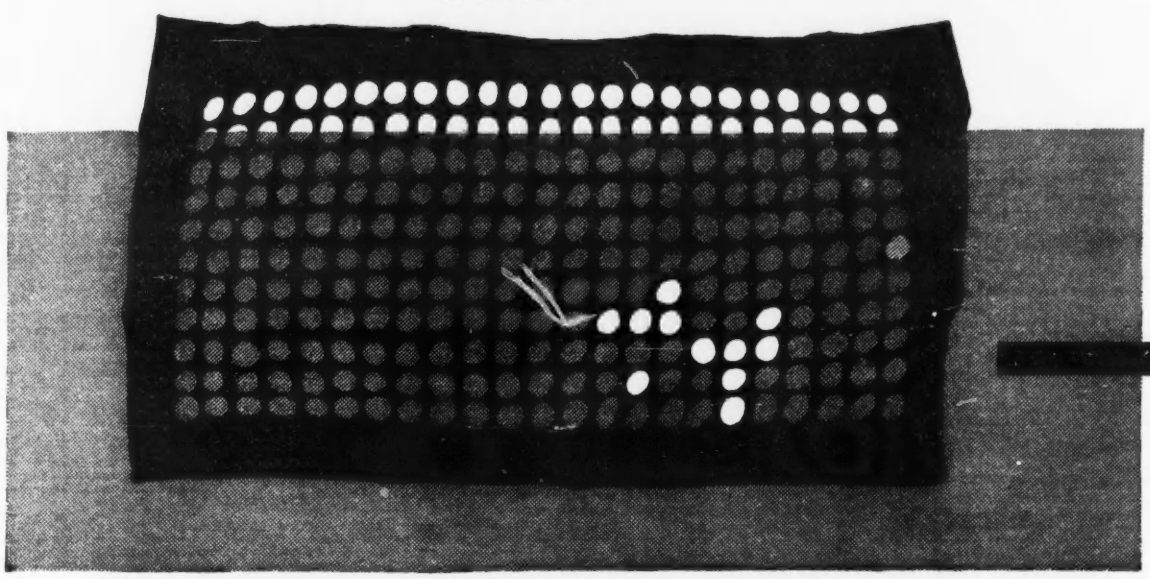
Get your share of the season's vitamin capsule profits! We will assure you RAPID DELIVERY ON EVERY ORDER!

Strong Cobb's jewel-like soft elastic capsules are backed by our reputation for top-notch standardized laboratory controls. We not only deliver top-quality capsules, but they are uniform, batch after batch.

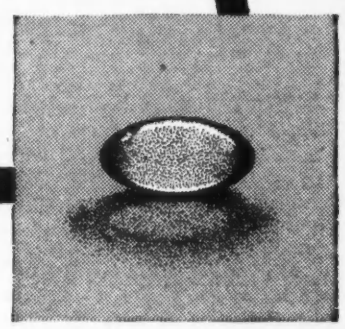
All Capsules Custom-Made—Send us your formulae and specify overrides required.

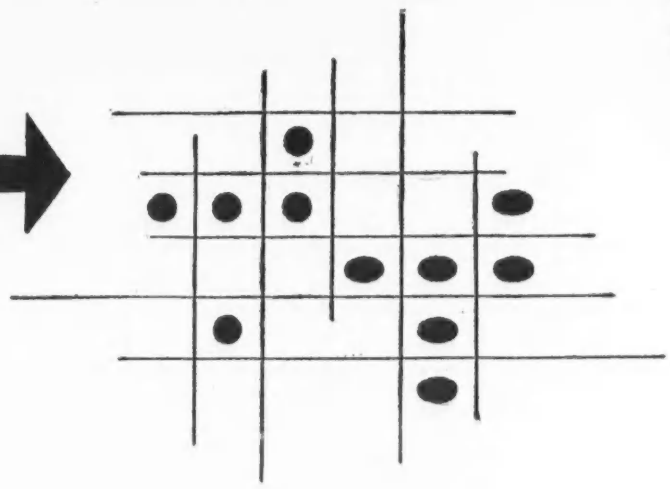
Strong Cobb & Co. Inc.

2654 Lisbon Road • Cleveland 4, Ohio
Tel. Sweetbriar 0600



Strong Cobb capsules are shipped to you in special moisture-proof, heat-sealed containers — assuring maximum protection.





ALL CAPSULES IN MANY COLORS—CLEAR AND OPAQUE

Biologically Standardized
Uniform
Unexcelled Laboratory and Plant Control
Accurate Individual Dosage
Positive Fill

SIZES IMMEDIATELY AVAILABLE

3 Minim Oval
3 Minim Round
4 Minim Round
5 Minim Oval
6 Minim Oval
7½ Minim Oval

Write for samples of our beautiful, pharmaceutically elegant capsules.

Echinacea Root—Hemlock Bark Extract

E

Echinacea root, bls ... lb. .48 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls ... lb. .96 - 1.02
tanners, bbls ... lb. .06 - .07
Elder flowers, bright, bls ... lb. .45 - .50
Elecampane root, bls ... lb. .27 - .28
Elm bark, grinding, bls ... lb. .35 - .36
powd., bbls., bxs. ... lb. .46 - .47
select, bndls. ... lb. .60 - .65
Emetine hydrochloride, bots ... oz. 42.50 - 48.00
Ephedra herb, bls ... lb. .90 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½ - —
l.c.l., works lb. .37 - —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots gram .60 - .70
Epsom salt, tech., bgs., c.l 100 lbs. 2.30 - —
l.c.l. 100 lbs. 3.05 - —
USP, cryst., bgs., c.l 100 lbs. 2.50 - —
l.c.l., 5,000 lbs., 1 with drawal 100 lbs. 3.25 - —
smaller lots 100 lbs. 3.50 - —
Epsom salt prices freight equalized; Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.
Ergot, USP, cns ... lb. 1.18 - 1.25
Escrine, bots ... oz. 55.00 - 56.00
Sulphate, bots ... oz. 60.00 - 61.00
Ether, acetate (see Ethyl acetate).
Amyl, dms., c.l., works ... lb. .095 - —
l.c.l., works ... lb. .102 - —
tanks, works ... lb. .085 - —
Butyl, dms., c.l., dlvd ... lb. .30½ - —
l.c.l., dlvd ... lb. .31 - —
tanks ... lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works. lb. .16½ - —
l.c.l., same basis ... lb. .17 - —
tanks, same basis ... lb. .15 - —
Ethyl (see Ether, sulphuric).
Isopropyl, dms., c.l., dlvd ... lb. .06 - —
l.c.l., dlvd ... lb. .06½ - —
tanks, dlvd ... lb. .04½ - —
Nitrous, conc., bots., 100 lbs ... lb. .93 - 1.10
lb. .93 - 1.10
Ether, sulphuric, conc., dms ... lb. .18 - .23
USP, anesthesia, hospital, cans lb. .75 - 1.05
synthetic, dms., c.l., frt. alld lb. .13½ - —
l.c.l., same basis ... lb. .14½ - —
tanks, same basis ... lb. .12 - —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .13½ - —
l.c.l., frt. alld ... lb. .14 - —
tanks, frt. alld ... lb. .12 - —
95-98%, dms., c.l., frt. alld lb. .13¾ - —
l.c.l., frt. alld ... lb. .14¾ - —
tanks, frt. alld ... lb. .12¼ - —
99%, dms., c.l., frt. alld ... lb. .14¼ - —
l.c.l., frt. alld ... lb. .15¼ - —
tanks, dlvd ... lb. .12¾ - —
Acetoacetate, dms., c.l., works lb. .44 - —
l.c.l., works ... lb. .44½ - —
tanks works ... lb. .42½ - —
Benzoate, bots ... lb. .60½ - .66
Betaethoxypropionate, dms., works lb. .70 - —
Bromide, tech., 98%, dms ... lb. .36 - .40
Butyrate, bgs ... g.l. 4.75 - —
cns., works ... lb. .65 - .70
dms., works ... lb. .60 - —
Carbamate, dms., dlvd. E ... lb. .58 - —
Chloride, tech., tanks ... lb. .13½ - —
USP, bbls., cyl ... lb. .20 - .22
Cinnamate, cns ... lb. 2.30 - 3.60
Formate, dms ... lb. .38 - —
Iodide, bots ... lb. 4.08 - 4.27
Lactate, dms., works ... lb. .41 - —
Methycrylate, M-2, dms., works lb. .60 - —
cns., works ... lb. .63 - .67
P-2, cns., works ... lb. .65 - —
Myristate, dms., works ... lb. No prices.
Oenanthate, dms ... lb. 2.60 - 3.25
Oleate, dms., l.c.l., works ... lb. .75 - —
Oxalate, dms., frt. alld ... lb. .33 - —
Silicate, dist. (see Tetraethyl orthosilicate)
40% available SiO_2, dms., works. lb. .55 - —
Ethylalphanaphthylamine, bbls ... lb. .80 - —
Ethylanilin, dms ... lb. .60 - —
Ethylbenzene, dms., c.l ... lb. .14 - —
l.c.l. ... lb. .15 - —
tanks ... lb. .13 - —
Ethylcellulose, fib. dms., 5,000 lbs., works lb. .52 - —
smaller lots, works ... lb. .54 - .62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09 - —
W. of Rockies ... lb. .09½ - —
l.c.l., works, frt. alld., E. of Rockies lb. .11½ - —
W. of Rockies ... lb. .12 - —
smaller containers ... lb. .12½ - —
tanks, frt. alld. E. Rockies ... lb. .08 - —
W. of Rockies ... lb. .08½ - —
Oxide, dms., c.l., works ... lb. .20 - .25
l.c.l., works ... lb. .21 - .26
tanks, works ... lb. .15 - .16¾
Trichloride (see Trichloroethane).
Ethylenediamine, tanks, works ... lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .15½ - .16
l.c.l., same basis ... lb. .16½ - .17
tanks, same basis ... lb. .14 - .14½
Diethylether, dms., l.c.l., works. lb. .50 - —
Monobutylether, dms., c.l., works. lb. .21½ - —
l.c.l., works ... lb. .22 - —
tanks, works ... lb. .20 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works ... lb. .18½ - —
tanks, works ... lb. .16½ - —
Monoethylether acetate, dms., c.l., works ... lb. .16½ - —
l.c.l., works ... lb. .17 - —
tanks, works ... lb. .15 - —
Monomethylether, dms., c.l., works lb. .19½ - —
l.c.l., works ... lb. .20 - —
tanks, works ... lb. .18 - —
Monomethylether acetate, dms., c.l., works ... lb. .24½ - —
l.c.l., works ... lb. .25 - —
tanks, works ... lb. .23 - —
Ethylethanolamines, mixed, dms., c.l., works lb. .32 - —
l.c.l., works ... lb. .33 - —
Ethylmonoethanolamine, l.c.l., dms., works lb. .80 - —
Ethylmorphine, hydrochloride, bots. oz. 11.85 - —
Ethylorthotoluidine, bbls ... lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more lb. 6.75 - —
smaller lots ... lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms. ... lb. 1.85 - 4.00
Eucalyptus leaves, bls ... lb. .12 - .13
Eugenol, prime, USP ... lb. 1.85 - 3.25
Euphorbia, pil., herb, bls ... lb. .15 - .17

F

Feldspar, enamel, 100 mesh, bgs., works ton. 17.00 - 20.50
bulk, c.l., works ton. 14.00 - 17.50
Glass, 20 mesh bgs., tons, works. ton. 12.75 - 16.25
bulk, c.l., works ton. 9.75 - 12.25
Pottery, bgs., 2 ton lots, works. ton. 20.00 - 22.00
bulk, c.l., works ton. 17.00 - 19.00
Fennel seed, Argentine, bgs ... lb. .11 - .11½
Indian, bgs. ... lb. .12½ - .13
Fenugreek, domestic, bgs. ... lb. No stocks.
Indian, bgs. ... lb. .11½ - .12
futures, bgs. ... lb. .10¼ - .10½
Moroccan, bgs. ... lb. .09½ - .10¾
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works lb. .13 - —
water-white, cs., works ... lb. .14 - —
Fir balsam, Canada, cns ... gal. 32.00 - 33.00
Oregon, bbls ... gal. 2.25 - 2.30
Fishberries, bgs ... lb. .24 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., No. Carolina area ton. 145.00 - —
65% protein, bgs. Balto. area. ton. 150.00 - —
Fishscrap, dried, 60% protein, bulk, No. Carolina area ton. 138.50 - —
Fleaseed (see Psyllium seed).
Fluorspar, acid grade, bgs., c.l., mines ton. 47.50 - —
l.c.l., mines ... ton. 49.50 - —
bulk, contract, c.l., mines ton. 42.00 - —
noncontract, c.l., mines ton. 45.00 - —
l.c.l., mines ... ton. 47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF. bulk, c.l., mines net ton. 39.00 - 41.00
washed gravel, 70% or more, CaF., bulk, c.l., mines ton. 35.00 - 37.00
65%, bulk, c.l., mines ... ton. 34.00 - 36.00
60%, bulk, c.l., mines ... ton. 33.00 - 35.00
less than 60%, bulk, c.l., mines. ton. 32.00 - 34.00
Formaldehyde, USP (inhibited), bbls., c.l., works lb. .0645- —
l.c.l., works ... lb. .0695- —
dms., extra, c.l., works ... lb. .0545- —
l.c.l., works ... lb. .0595- —
tanks, works ... lb. .0370- —
tanktrucks, dlvd., N.Y.C ... lb. .0395- —
methanol free (uninhibited) tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware.

Fringetree bark, bls. ... lb. .45 - .47
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines ton. 30.00 - —
Tex., mines ... ton. 27.00 - —
spent, bulk, Bayonne ... ton. 2.00 - 4.00
imp., bgs., c.l. ... ton. 30.00 - 40.00
Furfural, tech., dms., c.l., works lb. .12 - —
l.c.l., works ... lb. .14 - —
tanks, works ... lb. .09½ - —
Fusel oil, refined, dms., c.l ... lb. .29½ - —
l.c.l. ... lb. .30½ - —
tanks ... lb. .28 - —
Fustic extract, cryst., No. 1, bbls., l.c.l ... lb. .42½ - —
No. 1A, bbls., l.c.l ... lb. .41½ - —
No. 2, bbls., l.c.l ... lb. .40½ - —
No. 3, bbls., l.c.l ... lb. .38½ - —
liquid, No. 0, bbls., l.c.l ... lb. .22 - —
No. 1, bbls., l.c.l ... lb. .20½ - —
No. 2, bbls., l.c.l ... lb. .19½ - —
No. 3, bbls., l.c.l ... lb. .17 - —
solid, No. 1, bxs., l.c.l ... lb. .28 - —

G

G salt, bbls ... lb. .59 - .60
Galangal root, bls. ... lb. .14 - .15
Gambier, plantation, bgs., ex dock lb. .21 - .23
Extract, bbls ... No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .105 - —
Bayonne, 74 octane, tanks gal. .118 - —
Gulf coast, 73-75 octane, tanks, gal. .105 - .11
Group 3, 73-75 octane, tanks gal. .1025- .1075
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks gal. .1175- .12
natural, 26-70 octane, group 3, tanks gal. .085 - —
Gelatin, silver label, ctns., dlvd ... lb. 1.25 - —
export, cs ... lb. 1.35 - —
Gelatin price 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash., Wyo.
Gelsemium root, bls ... lb. .35 - .40
Gentian root, bls ... lb. .15 - .16
grd., bbls., bxs ... lb. .18 - .19
powd., bbls., bxs ... lb. .19 - .20
Geraniol, 92-96%, cns., dms ... lb. 3.10 - —
prime ... lb. 2.50 - —
Geranyl acetate, cns ... lb. 3.15 - 3.30
Ginger, oleoresin, bots ... lb. 4.25 - 4.75
Root, African, bls ... lb. .14½ - .15
Cochin, bleached, bgs ... lb. No stocks.
unbleached, bgs. ... lb. .20 - .20½
Jamaica, No. 1, bgs ... lb. .26 - .26½
No. 2, bgs ... lb. .25 - .25½
No. 3, futures ... lb. .24½ - .25
Rhattoon, bgs ... lb. .22 Nom.
Ginseng root, cs ... lb. 14.00 - 18.50
Glauber's salt, anhyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 2.00 - —
l.c.l. bgs., works ... 100 lbs. 2.25 - 2.50
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .17½ - —
40-65, bgs., c.l., same basis ... lb. .19½ - —
65-90, bgs., c.l., same basis ... lb. .21 - —
95-145, bgs., c.l., same basis. lb. .23½ - —
145-180, bgs., c.l., same basis. lb. .25½ - —

Bone glue, l.c.l., prices, 1c. higher than c.l.

ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd ... lb. .22 - —
l.c.l., same basis ... lb. .23 - —
Glue, bone, pulverized, 60 jellygrams, bgs., c.l. (50,000 lbs.), same basis lb. .24½ - —
l.c.l., same basis ... lb. .25½ - —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .25 - .28
122-149, bgs., c.l., dlvd ... lb. .26 - .29
150-177, bgs., c.l., dlvd ... lb. .27 - .30
178-206, bgs., c.l., dlvd ... lb. .28 - .31
207-236, bgs., c.l., dlvd ... lb. .29 - .32
237-266, bgs., c.l., dlvd ... lb. .30 - .33
267-298, bgs., c.l., dlvd ... lb. .31 - .34
299-330, bgs., c.l., dlvd ... lb. .32 - .35
331-362, bgs., c.l., dlvd ... lb. .33 - .36
363-394, bgs., c.l., dlvd ... lb. .34 - .37
395-427, bgs., c.l., dlvd ... lb. .35 - .38
428-460, bgs., c.l., dlvd ... lb. .36 - .39
461-494, bgs., c.l., dlvd ... lb. .37 - .40
495-529, bgs., c.l., dlvd ... lb. .38 - .41

Hide glue l.c.l. prices 1c. higher than c.l., bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88% to refiners, tanks, dlvd. lb. .28 - .30
soaplye, 80%, tanks, dlvd. lb. 27 - —
dynamite, dms., c.l., dlvd ... lb. .39½ - .40¼
l.c.l., dlvd. ... lb. .40 - .40½
tanks, dlvd. ... lb. .39¼ - .40
high gravity, dms., c.l ... lb. .39¼ - .40¼
l.c.l. ... lb. .40 - .40¾
tanks ... lb. .39¼ - .40
refined, BP, 98%, dms., c.l ... lb. .39¾ - .41½
tanks ... lb. .39½ - .41¼
USP, 95%, dms., c.l ... lb. .39½ - .41¼
l.c.l. ... lb. .40 - .41¾
tanks ... lb. .39¼ - .40
yellow, distilled, dms., c.l ... lb. .39⅝ - .40⅛
l.c.l. ... lb. .39⅝ - .40⅛
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms ... lb. .22 - —
Stearate, dms. ... lb. .26 - —
Glyoxal, 30%, dms., c.l., works lb. .17½ - —
l.c.l., works ... lb. .18 - —
tanks, works ... lb. .17 - —
Gold chloride, acid-brown, bots ... oz. 22.00 - 22.25
acid-yellow, bots ... oz. 20.00 - 20.25
Gold of pleasure seed, bgs ... lb. .40 - 41
Golden seal, root, bls. ... lb. 4.25 - 4.95
powd., bxs ... lb. 5.50 - 5.75
Gold-sodium chloride, photo, bots oz. 13.50 - 14.00
USP IX, bots ... oz. 14.50 - 15.00
Grains of paradise, bgs ... lb. .27 - .28
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 .06
crystalline, 88-90%, powc., bgs., ex whse lb. .14 .16
90-92%, powd., bgs., ex whse. lb. .16 .19
97%, powd., bgs., ex wnse lb. .22 .25
flake, No. 1, 96-99%, bgs., ctns., ex whse lb. .21 .22
No 2 whse ... lb. .23 - —
Grease, house, loose ... lb. .08 Nom.
White, choice, loose ... lb. .10½ Nom.
Wool (see Degras and Lanolin).
Yellow, loose ... lb. .08¾ - .09
Green, brilliant, thiocyavin, tone., molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works ... lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .36 - —
6-10%, bbls., same basis lb. .37 - —
11-13%, bbls., same basis lb. .38 - —
16-20%, bbls., same basis lb. .38½ - —
21-25%, bbls., same basis lb. .39½ - —
26-30%, bbls., same basis lb. .39¾ - —
31-35%, bbls., same basis lb. .39½ - —
36-40%, bbls., same basis lb. .42½ - —
41-45%, bbls., same basis lb. .44 - —
46-50%, bbls., same basis lb. .45¾ - —
50% and over, bbls., same basis lb. .46¾ - —
reduced color, 5%, bbls., same basis lb. .12 - —
6-10%, bbls., same basis lb. .12¾ - —
11-13%, bbls., same basis lb. .13¼ - —
14-16%, bbls., same basis lb. .14 - —
17-19%, bbls., same basis lb. .14¼ - —
20-21%, bbls., same basis lb. .14½ - —
22-23%, bbls., same basis lb. .14¾ - —
24-25%, bbls., same basis lb. .15 - —
26-27%, bbls., same basis lb. .15½ - —
28-29%, bbls., same basis lb. .16 - —
30-31%, bbls., same basis lb. .17 - —
32-33%, bbls., same basis lb. .18¼ - —
34-35%, bbls., same basis lb. .19¼ - —
36-40%, bbls., same basis lb. .22 - —
41-45%, bbls., same basis lb. .24¼ - —
46-50%, bbls., same basis lb. .25¾ - —
51-55%, bbls., same basis lb. .25½ - —
56-60%, bbls., same basis lb. .26 - —
61-65%, bbls., same basis lb. .27 - —
66-70%, bbls., same basis lb. .28¼ - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld ... lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works ... lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 - 5.00
Tungstated, brilliant, kgs ... lb. 3.00 - 4.00
Emerald, kgs ... lb. 2.60 - —
Verdigris (see V).
Grindella robusta herb, bls ... lb. .25 - .30
Guaiac resin, cs ... lb. .48 - .49
Wood, bls ... lb. .35 - .36
Guaiacol, cryst., NF, tins ... lb. No prices
Liquid, NF, bots., cbys ... lb. 1.90 - 1.95
Carbonate, NF, dms ... lb. 2.95 - 3.00
Guarana, powd., cs ... lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca), Aloe (see A.)
Ammoniac, tears, cs ... lb. .90 - .95
Gum, arabic, amber, sorts, bgs lb. .12½ - .14
powdered, USP, bbls ... lb 20½ - .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs ... lb. .38 - .40
Camphor (see C).
Copal, Congo, No. 1, bgs. ... lb. .23 - .25
No. 2, bgs. ... lb. .19 - .21
No. 3, bgs. ... lb. .14 - .16
Manila, loba, B, bgs. ... lb. .26 - .28
C, bgs. ... lb. .24 - .26
CBB, bgs. ... lb. .19 - .21
CNE bgs. ... lb. .13½ - .15
DBB, bgs. ... lb. .16 - .20
Dk, bgs. ... lb. .13½ - .15
dust, bgs. ... lb. .07½ - .09
soft, MA, bgs. ... lb. .13½ - .15
WS, bgs. ... lb. .20 - .21
Philippine, pale, chips, bgs ... lb. .18½ - .20½
nubs, bgs. ... lb. .22 - .24
seeds, bgs. ... lb. .15 - .16
soris, bgs. ... lb. .17½ - .19½
Pontianak, chips, bgs. ... lb. .22 - .24
nubs, bgs. ... lb. .35 - .38
Dammar, Batavia, A D, bgs ... lb. .28 - .30
A E, bgs. ... lb. .23 - .24
dust, bgs ... lb. .03½ - .09½
E, bgs. ... lb. .14 - .15
East India, batu, bold, bgs ... lb. .09¾ - .11
nubs & chips, bgs. ... lb. .07½ - .09
black, bold, bgs. ... lb. .12½ - .15½
unscraped, bgs. ... lb. .09½ - .10½
nubs & chips, bgs. ... lb. .09½ - .10½
pale, chips, bgs. ... lb. .12 - .14
nubs, bgs. ... lb. .26 - .28
Singapore, No. 1, bgs ... lb. .23 - .30
No. 2, bgs. ... lb. .22 - .23
No. 3, bgs. ... lb. .13 - .14
dust, bgs. ... lb. .09 - .10
seeds, bgs. ... lb. .13 - .14
Elemi, cns ... lb. .21 - .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. 17 - 17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. 17 - 17¾
Euphorbium, cs ... lb. .50 - .55
Galbanum, cs ... lb. .98 - 1.00
Gamboge, pipe, cs ... lb. 1.20 - 1.25
powd., bbls ... lb 1.35 - 1.40
Ghatti, No. 2, bgs ... lb .35 - .37
No. 3, bgs ... lb .31 - .33
Guaiac (see Guaiac resin).
Karaya, No. 1 ... lb .43 - .49
No. 2 ... lb .40 - .44
No. 3 ... lb .34 - .35
No. 4 ... lb .31 - .32
No. 5 ... lb .29 - .31
No. 6 ... lb .27 - .30
Kauri, bgs ... lb .31½ - 32¾
Locust bean, powd., bgs ... lb .35 - .37
Mastic, cs ... lb. 2.25 - —
Myrrh, cs ... lb .35 - .38
Olibanum, siftings, cs ... lb .12 - .13
tears, cs ... lb .22 - .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks ... lb .90 - .95
Scammony, cs ... lb 1.50 1.55
Sierculia (see Gum, karaya).
Talha, bgs ... lb .10 - .11
Tragacanth, No. 1, cs ... lb. 3.00 - 3.25
No. 2, cs ... lb. 2.40 - 2.65
No. 3, cs ... lb. 2.00 - 2.25
powdered, USP, bbls ... lb. 1.35 - 1.45
Yacca, bgs ... lb .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river, N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton. 12.50 - —
Blue Rapids, Kans., frt. equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt. equald ton. 18.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., c.l., Acme Texas, frt. equald ... ton. 8.00 - —
Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, Ohio frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs ... lb. .55 - .57
Heliotropin, cryst., cns ... lb. 3.10 - 3.45
Hellebore root, white, powd., bbls lb. .40 - .45
Helonias root, bls. ... lb. 1.75 - 1.80
Hematine extract, cryst., No. 0, bbls., l.c.l ... lb. .45½ - —
No. 1, bbls., l.c.l ... lb. .44½ - —
No. 1A, bbls., l.c.l ... lb. .41½ - —
No. 2, bbls., l.c.l ... lb. .40½ - —
No. 3, bbls., l.c.l ... lb. .38½ - —
No. 4, bbls., l.c.l ... lb. .36½ - —
No. 5, bbls., l.c.l ... lb. .34½ - —
paste, No. 1, bbls., l.c.l ... lb. .19 - —
No. 2, bbls., l.c.l ... lb. .18 - —
No. 3, bbls., l.c.l ... lb. .17 - —
No. 4, (red), bbls., l.c.l ... lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works ... lb. No stocks.
tanks, works ... lb. No stocks.

Henbane leaves, bls. ..... lb. .45 - .75
Henna leaves, bls. ..... lb. .21 - .23
powd., bbls., bgs. ..... lb. .25 - .27
Heptane, industrial, Bayonne, N. J., tanks.. gal. .16 - —
group 3, tanks. ..... gal. .12½- .13½
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C. lb. .27½- —
smaller lots, same basis ..... lb. .28½- —
USP, dms., 500 lbs. or more, same basis lb. .38½- —
smaller lots, same basis .... lb. .39½- —
Hexane, industrial, group 3, tanks, gal. .13½- .14½
Bayonne, N. J., tanks ..... gal. .16 - —
Hexanol, normal, dms., c.l., works, lb. .30½- —
l.c.l., works ..... lb. .31 - —
tanks, works ..... lb. .29 - —
Hexylresorcinol, 100 lbs. up, frt. alld .. lb. 19.00 - —
works ..... lb. 19.00 -27.75
smaller lots, frt. alld ..... lb. 20.00 -21.50
works ..... lb. 20.00 -33.50
Histidine hydrochloride—1, fib. dms., works, 50 kilos.. kilo. 120.00 - —
1-5 kilos ..... kilo. 130.00 - —
Homatropine, hydrobromide, bots. oz. 15.00 -25.00
Hydrochloride, bots ..... oz. 20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago.. unit-ton. 7.00 - —
Hops, NF, bls. ..... lb. .40 - .45
Horehound, bls. ..... lb. .12 - .15
Hydrangea root, bls. ..... lb. .14 - .17
Hydrastine, bots ..... oz. 53.50 -53.80
Sulphate, bots ..... oz. 53.50 -53.80
Hydrastinine, 10-grain bots ..... bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. ctns., works .. lb. .30 - .40
Hydrogen peroxide, USP, bbls. .. lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis ..... lb. .23½- —
dms., c.l., same basis ..... lb. .20½- —
l.c.l., same basis ..... lb. .21½- —
tanks ..... lb. .19¼- —
Hydroquinone, bbls., dms ..... lb. .90 - .94
Hydroxycitronellal, cns ..... lb. 6.50 - 7.50
Hyoscine hydrobromide, bots ..... oz. 34.00 -38.00
Hyoscyamine, bots ..... oz. 18.00 -20.00
Hydrobromide, bots ..... oz. 18.00 -19.50
Sulphate, bots ..... oz. 14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l. lb. .52½- —
No. 2, bbls., l.c.l ..... lb. .44½- —
liquid, No. 1, bbls., l.c.l ..... lb. .28½- —
No. 2, bbls., l.c.l ..... lb. .23½- —
solid, No. 1, bxs., l.c.l ..... lb. .41 - —
Hyssop herb, bgs ..... lb. .45 - .50
Leaves, bgs ..... lb. .55 - .60

I

Indian red (see Red, Indian).
Indigo, nat., chests ..... lb. 2.14 - 2.80
synth., paste, bots ..... lb. .16½- .19
Iceland moss, bgs ..... lb. .40 - .50
Ichthammol, NF, bots ..... lb. 2.45 - —
powd., bbls ..... lb. .74½- .85
Indol, CP, bots. ..... lb. 18.50 -23.00
Inositol, tins, dlvd ..... lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse. Staten Island .. lb. 1.729 - —
resubl., bots., jars ..... lb. 2.55 - 2.63
Iodoform, dms., kgs. .. .. lb. 4.30 - 4.74
Ionone, alpha, cns ..... lb. 5.15 - 6.00
beta, cns ..... lb. 8.60 -10.00
Methyl (see M).
IPC, bots., 1-5 lbs ..... lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point .. lb. 2.30 - 2.50
50 lbs., ship't point ..... lb. 2.40 - 2.52
10-25 lbs., ship't point ..... lb. 2.50 - 2.54
Ipecac root, bgs ..... lb. 3.85 - 4.60
powd., bgs. ..... lb. 4.25 - 4.90
Irish moss, bleached, prime, bls .. lb. .18 - .19
Iron acetate, liquor, 28° bbls., c.l., works .. lb. .09 - —
l.c.l., works ..... lb. .09¾- —
solut., USP IX, cbys ..... lb. .16 - —
djms. ..... lb. .17 - —
Chloride (ferric), anhydr., tech., dms., c.l., works .. 100 lbs. 5.75 - —
l.c.l., works ..... 100 lbs. 6.50 - 7.50
cryst., tech., bbls., works 100 lbs. 5.00 - 6.00
l.c.l., bbls., works .. 100 lbs. 5.50 - 8.00
USP X, lump, bbls ..... lb. .07½- .08
solut., 42 Be, cbys., works, frt. alld. or equald .. lb. .06 - .06½
Citrate, gran., dms ..... lb. .77 - .79
Glycerophosphate, N.F., powd .. lb. 4.35 - —
Hypophosphite, dms ..... lb. 2.80 - —
Iodide, bots ..... lb. 3.43 - 3.63
Naphthenate, liq., 6% Fe, dms., frt. alld .. lb. .21¼- .21¾
Nitrate, red, tech., dms ..... lb. .03½- .04
Oxalate, gran., dms ..... lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms .. lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4%, Fe, dms., frt. alld. lb. .24 - —
Stearate, dms., c.l. ..... lb. .40 - —
ton lots ..... lb. .41 - —
less ton lots ..... lb. .42 - —
Sulphate (ferric), anhyd., bgs., c.l., works .. ton. 52.50 - —
l.c.l., works ..... ton. 57.50 - —
partially hydrated, bgs., c.l., works .. ton. 28.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms ..... lb. .09½- .10
Iron by hydrogen, kgs ..... lb. .80 - .85
Iron-ammonium citrate, brown, green, gran., dms .. lb. .55 - .58
Oxalate, dms ..... lb. .25½- .28½
Iron-potassium oxalate fine gran., dms. ..... lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms .. lb. .25½- .28½
Isobornyl acetate, cns ..... lb. .97 - 1.10
Isobutyl acetate, cns ..... lb. .97 - 1.25
Methacrylate, M-5, dms., works .. lb. .60 - —
cns., works ..... lb. .63 - .67
P-5, cns., works ..... lb. .60 - —
Propionate, cns ..... lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works ..... gal. 3.85 - 4.05
tanks, works ..... gal. 4.23 - —
Isobutyraldehyde, dms., works .. lb. .33 - .38
Isoeugenol, extra, cns ..... lb. 3.20 - 4.00
cbys., extra ..... lb. 3.10 - 3.35
Isopentane, dms., works ..... lb. .45 - .55
Isophorone, dms., c.l., works .... lb. .23½- —
l.c.l., works ..... lb. .24 - —
tanks, works ..... lb. .22 - —
Isopropanol (see Acohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies .... lb. .13½- —
l.c.l., same basis ..... lb. .14 - —
tanks, same basis ..... lb. .12 - —
Alcohol (see Alcohol, Isopropyl).
Benzene (see Cumene).
Ether (see Ether, Isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works ..... lb. .37 - —

J

Jaborandi leaves, bls ..... lb. .15 - .20
Jalap root, NF, bls. ..... lb. .45 - .50
powd., bbls., bxs ..... lb. .50 - .60
Resin, powd., bxs ..... lb. 7.15 - 7.25
Juniper berries, bgs. ..... lb. .09 - .18
Tar, USP, dms ..... lb .40 - .65

K

Kamala, powd., cns ..... lb. .45 - .52
Kaolin (see China clay).
Kava kava root, bls. ..... lb. .28 - .31
Kerosene, at refinery; Ark., 42-44 specific gravity, w.w., tanks gal. .09375- —
Bayonne, 41-43 s.g., w.w., tanks gal. .103 - —
California, 40-43, s.g., w.w., tanks gal. .121 - .136
Gulf ports, 41-43, s.g., w.w., tanks. gal. .0925- .095
Okla.-Tex., 41-43, s.g., w.w., tanks. gal. .0925- .09625
Penn., 45, s.g., w.w., tanks .. gal. .1125- .125
47, s.g., w.w., tanks ..... gal. .12 - .125
Kola nuts, bgs ..... lb. .10 - .12
Kyanite, imp., low iron content, 10-mesh, whse. .. ton. 85.00 -95.00
calcined, grain, 10-mesh, whse. . ton. 95.00 -105.00

L

Ladyslipper root, bls. ..... lb. 1.60 - 1.63
Lanolin, anhyd., cosmetic, dms., works lb. .22 - .24
pharmaceutical, USP, dms., works .. lb. .20 - .22
hydrous ..... lb. .18 - .20
Lard, cash, trcs., Chicago ..... lb. .16¾- .17
Larkspur seed bgs ..... lb. .35 - .40
Laurel berries, bls ..... lb. .25 - .26
Leaves, Portuguese, bls. ..... lb. .07¼- .08
Greek, bls ..... lb. .07 - .07½
Turkish, bls ..... lb. .12 - .12½
Lavender flowers, medium, bls. .. lb. .65 - .66
ordinary, bls ..... lb. .20 - .21
select, bls ..... lb. .70 - .75
Lead acetate, white, crystals, bots., lb. .27 - —
gran., bbls. ..... lb. .27¾- —
powd., bbls. ..... lb. .27¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l. lb. .31½- —
l.c.l. ..... lb. .32½- —
1-lb. bgs., c.l ..... lb. .39½- —
l.c.l. ..... lb. .40 - —
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue basic sulphate, bbls., c.l., ship't point, frt. alld .. lb. .20¼- —
l.c.l., works ..... lb. .21¼- —

Henbane Leaves—Lead Tallate

Lead carbonate (see Lead, white).
Chloride, fib. dms ..... lb. .49 - —
Iodide, NF V, jars ..... lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld .. lb. .39 - —
Metal, pigs, prime, N. Y. ..... lb. .21½- —
E. St. Louis ..... lb. .2130- .2138
Metallic paste, dms., 10,000-40,000 lbs., works lb. .27½- —
2,000-10,000 lbs., same basis lb. .28½- —
1 to 2,000 lbs., same basis .. lb. .30 - —
Naphthenate, liquid, 16% Pb. dms., frt. alld .. lb. .16¾- .17¼
24% Pb. dms., frt. alld .... lb. .23½- .24
30% Pb. dms., frt. alld .... lb. .28½- .29
Nitrate, bbls., c.l ..... lb. .23 - —
l.c.l. ..... lb. .23½- —
Oleate, bbls ..... lb. .33 - —
Peroxide, powd., tech., bbls .... lb. .41 - .43
Red, 95% Pb_3O_4 or less, bbls., c.l., snip't point, frt. alld .. lb. .24¼- —
l.c.l., same basis .... lb. .25¼- —
97% Pb_3O_4, bbls., c.l., same basis. lb. .24½- —
l.c.l., same basis ..... lb. .25½- —
98%, Pb_3O_4, bbls., c.l., same basis lb. .24¾- —
l.c.l., same basis ..... lb. .25¾- —
Resinate, precip., dms., frt. alld. lb. .27¼- —
Silicate, bgs., l.c.l., shipt. point, frt. alld .. lb. .2270- .2330
Stearate, bbls., c.l. ..... lb. .46 - —
ton lots ..... lb. .47 - —
less ton lots ..... lb. .48 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, liquid, 16% Pb, dms .... lb. .14¾- .15¼
solid, 30% Pb, dms ..... lb. .23½- .24

by Standardizing on

HEYDEN CHEMICALS

FOR

PROCESS INDUSTRIES
PHARMACEUTICALS • TEXTILES
PROTECTIVE COATINGS
RUBBER • PLASTICS
FOOD PRODUCTS • RESEARCH

*THE PLUS IN YOUR PROCESS

. . . Constant source of supply.
. . . Production control through uniformity.
. . . Exacting specifications . . . assured quality.
. . . Extensive facilities of 5 modern plants.

Serving Industry through Finer Chemicals

HEYDEN CHEMICAL CORPORATION

393 SEVENTH AVENUE, NEW YORK 1, N. Y.
CHICAGO 6: 20 North Wacker Drive • PHILADELPHIA 3: 1700 Walnut Street
SAN FRANCISCO 11: 420 Market Street

© 1949, Heyden Chemical Corporation

Benzaldehyde • Benzoates • Benzoic Acid • Benzyl Chloride • Bromides • Chlorinated Aromatics • Chlorobenzenes • Creosotes • Formates
Formaldehyde • Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine • M. D. A. (Methylene Disalicylic Acid)
Paraformaldehyde • Parahydroxybenzoates • Penicillin • Pentaerythritols • Salicylates • Salicylic Acid • Streptomycin

FINE HEYDEN CHEMICALS

Lead, White—Nitrogenous Sewage Sludge

Lead, white, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .2210- —
l.c.l., same basis lb. .2310- —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .1925- .2535
l.c.l., same basis lb. .1975- .2635
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .20¼- —
l.c.l., same basis lb. .21¼- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .18½- —
unbleached, c.l., same basis lb. .15 - —
l.c.l., same basis lb. .17½- —
Lemon peel, bls lb. .25 - .30
Licorice extract, mass, cns lb. .25 - .30
powd., bbls. lb. .40 - .42
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —
Lime, agricultural, bgs., works ton.13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass ton. 9.00 - —
Annville, Pa ton. 9.00 - —
Bellefonte, Pa ton. 9.00 - —
Berkeley, W. Va ton. 9.00 - —
Buffalo, N. Y ton. 9.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton. 9.50 - —
Crab Orchard, Tenn ton. 8.50 - —
Eagle Mountain, Va ton. 8.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 9.00 - —
Hannibal, Mo ton. 8.50 - —
Keystone, Ala ton. 8.50 - —
Knoxville, Tenn ton. 8.50 - —
Limedale, Ark ton. 8.50 - —
Longview, Ala ton. 9.00 - —
Manistique, Mich ton. 8.00 - —
Marblehead, Ohio ton. 8.50 - —
Martinsburg, W. Va ton. 8.50 - —
Menominee, Mich ton. 9.00 - —
Mitchell, Ind ton. 8.00 - —
Newala, Ala ton. 7.50 - —
Ripplemead, Va. ton. 8.50 - —
Riverton, Va ton. 8.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn ton. 9.30 - —
Sherwood, Wis. ton. 8.50 - —
Springfield, Mo ton. 8.00 - —
Woodville, Ohio ton. 9.50 - —
York, Pa. ton. 9.00 - —
Hydrated, paper bgs., Adams, Mass. ton.11.50 - —
Annville, Pa. ton.11.50 - —
Bellefonte, Pa. ton.11.50 - —
Berkeley, W. Va. ton.10.00 - —
Buffalo, N. Y. ton.11.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa. ton.11.50 - —
Crab Orchard, Tenn. ton.11.65 - —
Eagle Mountain, Va. ton.10.00 - —
Engle, W. Va. ton.11.50 - —
Farnams, Mass. ton.11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala. ton.12.25 - —
Knoxville Tenn. ton.11.50 - —
LeRoy, Minn ton.10.50 - —
Limedale, Ark. ton.10.00 - —
Longview, Ala ton.12.25 - —
Manistique, Mich. ton. 9.50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Newala, Ala. ton.12.25 - —
Petoskey, Mich. ton.10.00 - —
Port Island, Mich. ton. 9.00 - —
Rapid City, S. Dak. ton.12.00 - —
Rockland, Maine ton. 9.00 - —
Ripplemead, Va. ton.10.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn. ton.12.14 - —
Sherwood, Wis. ton.10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa ton.11.50 - —
Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.11.50 - —
Bellefonte, Pa ton.11.50 - —
Carey, Ohio ton.11.00 - —
Engle, W. Va ton.11.50 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa. ton.11.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bgs., works ton. 4.00 - 4.25
Linalool, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots lb. 4.35 - 7.20
ex lignaloe wood, bots lb. 8.25 - 8.40
ex petitgrain, bots lb. 5.10 - 6.35
Linden flowers with leaves, bls lb. .25 - .27
without leaves, bls. lb. .24 - .26
Linseed meal, 34% bulk, Midwest mills ton.79.00 - —
Litharge com'l, powd., bbls., c.l ship't point, frt. alld lb. .23¼- —
l.c.l., same basis lb. .24¼- —
Lithium bromide, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.10 - 1.15
Chloride, dms lb. 1.15 - 1.65
Citrate, bbls., dms., kgs lb. 1.30 - 1.45
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., ship't point lb. .06¾- —
l.c.l., same basis lb. .06¾- .06¾
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.
Liverwort leaves, bls. lb. .85 - .90
Lobelia herb, bls lb. .65 - .70
leaves N.F. lb. .95 - —
Lobeline sulphate, bots., works oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. .44½- .49¼
Lovage root, imp., bls lb. 1.20 Nom.
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.90 - 2.50

M

Mace, No. 1, Siauw, cs lb. 1.00 - 1.05
East Indian, bgs., futures lb. 1.05 - 1.10
Papua, bgs., futures lb. 1.15 - 1.20
Mace, West Indian, bgs lb. 1.00 - 1.05
broken lb. .95 - 1.00
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, dms lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works lb. .12¾- —
flake, bbls., c.l., works ton.40.00 - —
l.c.l., works ton.44.00 -46.00
Fluoride, bbls lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 98.8% ingots, cs., works lb. .20½- —
sticks, cs lb. .34 - .38
Oleate, precip., bbls lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .09½
Stearate, ctns., 2,000 lbs. to c.l. lb. .43 - —
smaller lots lb. .44 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. lots lb. .37 - —
smaller lots lb. .42 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash ton.27.00 - —
Maleic anhydride, dms., c.l lb. .30 - —
l.c.l. lb. .31 - —
Malva flowers, black, bls lb. 1.50 - 1.75
Blue, bls. lb. 1.00 - 1.25
Leaves, bls lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .48 - .52
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms., works lb .24 - —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works ton.74.00 - —
smaller lots, works ton.77.00 -82.00
burlap bgs., c.l., works ton.71.75 - —
l.c.l., works ton.74.75 -79.79
paper bgs., c.l., works ton.70.00 - —
l.c.l., works ton.73.00 - —
85-90%, bbls., c.l., works ton.74.00 - —
smaller lots, works ton.77.00 -82.00
Glycerophospnate, fib. dms lb. 4.25 - —
Hydrate, bbls., dlvd lb. .26 - —
Hypophosphite, NF, dms lb. 2.00 - —
Iodide, jars lb. 5.55 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs, dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. alld lb. .22¾- .23¼
Oleate, fused, bbls lb. .44¾- —
Resinate, fused, 3½% Mn, dms. lb. .20 - —
precip., dms. lb. .22½- —
Sulphate, fertilizer grade 65%, bgs., c.l., dlvd. S. E. ton.60.00 - —
l.c.l., dlvd. S. E. ton.67.00 - —
feed grade, 80%, bgs lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E ton.68.50 - —
l.c.l., same basis ton.75.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.72.00 Nom.
Manna, flake, large, cs. lb. 1.40 - 1.50
small, cs. lb. 1.00 - 1.10
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Argentine, bls lb. .14 Nom.
Chilean, bls. lb. .18 - .18½
French, bls lb. .32 - .33
Matico leaves, bls lb. .25 - .28
Menadione, USP, bots., works gram. .10 - —
Menthol, natural, USP, Brazilian lb. 9.00 - 9.15
synthetic, tech., cns lb. 6.00 - 6.40
USP, laevo, cns lb. 8.90 - 9.95
Menthyl salicylate, tins lb. 4.25 4.35
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, cryst., powd lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.32 - —
Yellow, NF, fib. dms lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Metachloranilin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .79 - .80
l.c.l. lb. .80 - —
80-82%, dms., works lb. .35 - —
70-75%, dms., works lb. .30 - —
Metanitroparatoluidin, bbls lb. 1.28 - 1.33
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .77 - —
Methanol, natural, dms., c.l., frt. alld gal. .74 - .80
l.c.l., frt. alld gal. .77 - .85
tanks, frt. alld gal. .66 - .70
Prices on natural methanol W. of Miss 3c. higher.
Synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .38½- .40
l.c.l., frt. alld gal. .42 - .43
tanks, frt. alld gal. .28 - —
zone 2, dms., l.c.l., frt. alld. gal. .45 - .47
l.c.l., ex whse gal. .47½- .49⅛
tanks, frt. alld gal. .33 - —

Synthetic methanol zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methanol, synthetic, Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld gal. .37½- —
tanks, frt. alld gal. .27 - —
West of Rockies, dms., c.l., frt. alld gal. .45 - —
tanks, frt. alld gal. .33 - —
Methionine-dl, fib. dms., works, 1,000-lb. lots lb. 8.25 - —
50 to 999-lb. lots, works lb. 8.40 - —
1 to 49-lb. lots, works lb.10.00 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17½- —
l.c.l., same basis lb. .18 - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¾- —
l.c.l., same basis lb. .18¼- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb .08 - —
l.c.l., same basis lb. .08½- —
Acetoacetate, dms., c.l., works lb. .49½- —
l.c.l., same basis lb .50 - —
tanks, works lb. .48 - —

Methyl acetoacetate prices frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .50 .60
l.c.l., same basis gal. .57 - .67
Natural methyl acetone group A prices W of Miss. 5c. per gal. higher.
Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 60
synthetic, dms., c.l., works, frt. alld, E gal. .61½- —
frt. alld. W gal. .64 - —
l.c.l., works, frt. alld. E gal. .65 - —
frt. alld. W gal. .68½- —
tanks, works, frt. alld. E gal. .52 - —
frt. alld. W gal. .55½- —

Methyl acetone, synth., East. territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots lb. 2.20 - 3.00
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns. lb. .50 - .52
cyls. lb. .46 - .59
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit, works lb. .10½- —
refrigerator mfrs., cyls., dlvd lb. .34 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns lb. 1.65 - 3.50
Formate, dms. lb. .89 - —
Heptin carbonate, bots. lb.36.00 -58.00
Iodide, bots., cbys lb. 4.33 - 4.52
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns., works lb. .48 - .58
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, bots., cntrs. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Salicylate, dms., 500 lbs lb. .40 - —
25-50 lbs. lb. .45 - —
Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½- —
Methylamyl ketone, dms., works lb. 70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. alld lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.66 - —
smaller lots, kgs., same basis lb. 2.77 - 2.83
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .13½- —
tanks, dlvd. E lb. .11½- —
Methyleneanilin, dms., ton lots, frt. alld lb. .36 - —
smaller lots, same basis lb. .37 - —
Methylethyl ketone, dms., dlvd lb. .11½- —
l.c.l., dlvd lb. .12 - —
tanks, dlvd lb. .10 - —
Methylhexyl ketone, tech., dms., works lb. .60 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd lb. .12½- —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .17½- —
l.c.l., works, dlvd lb. .18½- —
tanks, works, dlvd lb. .16 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅝- —
roofing, 20 to 80 mesh, works lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07½- .07¾
rubber, bgs., c.l., works, frt. alld. E lb. .06¾- —
l.c.l., ex whse. or frt. alld. E lb. .07¼- .07½
wallpaper, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07½- .07¾
white, extra fine, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —

Mica, wet-grd., W. of Miss. R., ½c. higher.; W. of Rockies, 1c. higher.

Milk powder, skimmed, roller, bbls., c.l. lb. .14¾- .16½
spray, bbls., c.l. lb. .16¾- .18¼
Whole, roller, bbls., c.l. lb. .36½- .42
spray, bbls., c.l. lb. .34 - .46¼
Sugar, edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
USP, bbls., works, 3,000-lb. lots, lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .20 - .21
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald lb. .06½- .08
l.c.l., works lb. .07 - .09
smaller containers, works lb. .09 - .12
tanks, works, frt. equald lb. .06 - .06⅛
Monoethanolamine, dms., c.l., frt. alld. E lb. .26½- —
l.c.l., same basis lb. .27½- —
smaller containers, same basis lb. .30½- —
tanks, same basis lb. .25 - —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
Monomethylamine, anhydrous, cyl., works, basis 100% lb. .34½- .44¼
25%-40%, dms., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30 - —
Monononylnaphthalene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks lb. .13 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz.12.35 -12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, cns. oz. 9.90 - —
Sulphate, cns. oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½- —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
smaller containers, works lb. .75 - —
Mountain ash berries, bgs lb. .75 - .76
Mullein flowers, cs. lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz.35.00 -55.00
synthetic, ambrette, cns., 5-lb lb. 5.65 - 5.75
Ketone, cns., 100 lbs. or more lb. 4.60 - 4.95
25 lbs lb. 4.70 - 5.05
5 lbs lb. 4.60 - 5.45
Xylol, cns lb. 1.60 - 1.80
25 lbs lb. 1.70 - 1.90
5 lbs. lb. 1.75 - 2.00
Musk root, bls lb. No prices.
Mustard seed, Calif., brown lb. .22 - .23
Danish, yellow, bgs lb. .14½- .15
Dutch, yellow, bgs. lb. .16 - .16⅛
English, yellow, bgs lb. .14½- .15
Montana, brown, bgs., source lb. .05½- .07
Oriental, bgs., source lb. .05¾- .06
yellow, bgs., source lb. .11¾- .12
Washington, yellow, bgs lb. .17 Nom.
Myrobalans, J1, good quality, ex dock ton.54.00 -55.00
J2, ex dock ton.46.00 -47.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., wks., frt. equald lb. No prices.
tanks, same basis lb. .06¼- .07¼
78°, bgs., c.l., wks., frt. equald. lb. .07 - —
l.c.l., same basis lb. .07¼- —
bbls., c.l., same basis lb. .071 - .08
l.c.l., same basis lb. .073- .085
dms., c.l., same basis lb. .07½- —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .065 - .075
refined, industrial, bbls., c.l., frt. equald lb. .12 - —
bgs., c.l., same basis lb. .11½- —
tanks, same basis lb. .11 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis, lb. .13¾- —
1-lb. pkgs., c.l., same basis lb. .15¼- —
Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton.18.25 - —

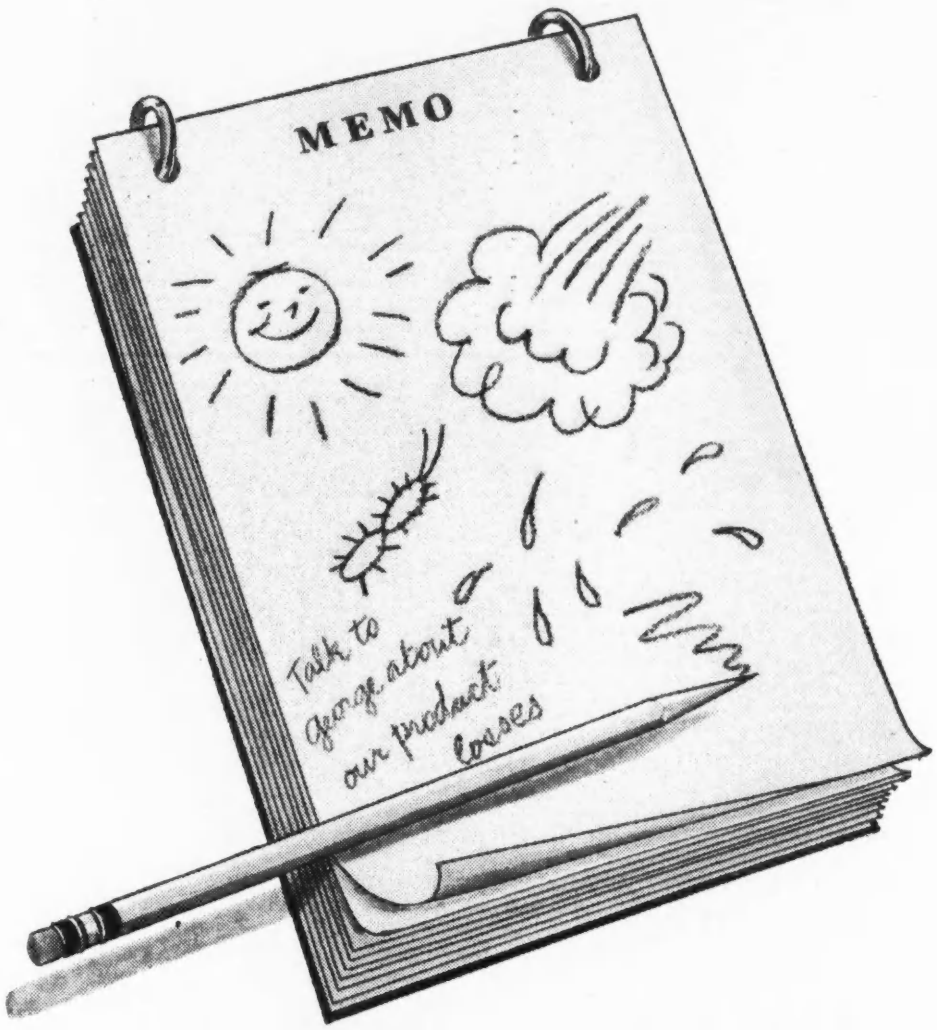
Nepheline syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns. lb. 1.70 - 2.30
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .50 - —
Carbonate, bbls., dlvd lb. .48 - .50
Chloride, bbls., dlvd lb. .23 - —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb. .43½- —
Metal, electro cathodes, cs lb. .40 - —
Nitrate, bbls., works lb. .24½- .25⅛
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .18 - —
l.c.l., dlvd lb. .18½- —
Nicotinamide, USP, dms., works kilo.11.00 -11.30
Hydrochloride, dms., works kilo.10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. alld. over 50 lbs. dm.53.65 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin.11.80 - —
Nikethamide, bots., cbys lb. 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .09½
l.c.l lb. .10 - .11
tanks lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., bbls., c.l., same basis. lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - .37

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works lb. .30 - —
Nitrogen solution, tanks, works, N. ton.120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo unit-ton. 3.50 - 4.00
Sewage sludge, bulk, works, unit top. 4.15 + .40

71234



Do these doodles mean debits for you?

These doodles represent light, air, insects, and moisture—four natural phenomena that too often cause unnatural losses for a packer.

But you'll never find these doodles on the debit page of packers who put their products in *light-proof, air-proof, insect-proof, moisture-proof* metal containers.

AMERICAN CAN COMPANY

New York • Chicago • San Francisco

This trademark CANCO *is your assurance of quality containers. Look for it!*

Other advantages of the can

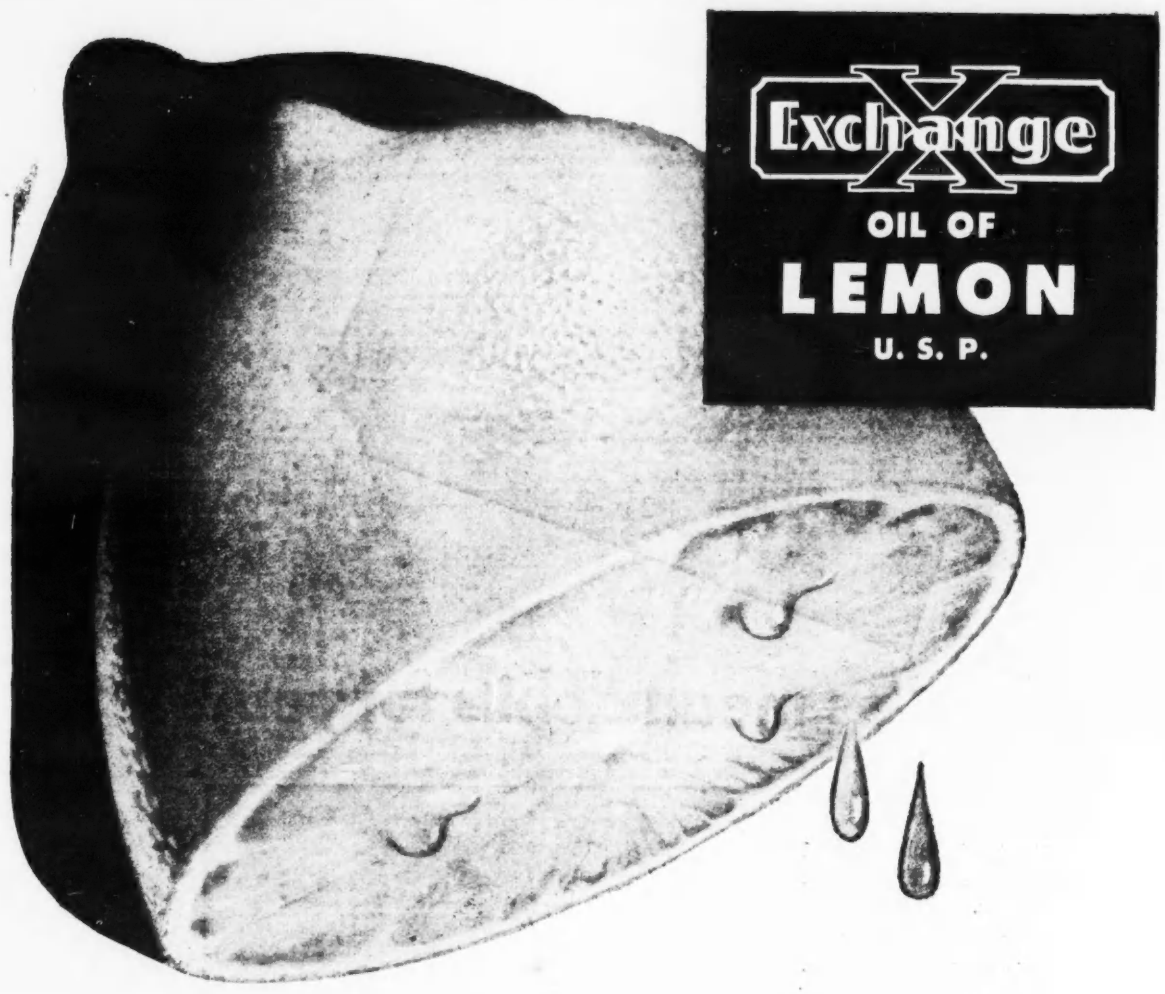
1. Cans are break-proof.
2. Cans protect contents against light, air, insects, and moisture.
3. Cans are *light*—mean lower shipping costs. Compact—mean more storage and display space.
4. Cans mean eye-appeal for impulse buying.
5. Cans are tamper-proof.
6. Cans are easy to open and close.

Nitromethane—Oil, Perilla

Nitromethane, dms., l.c.l., works lb. .30 • —
Nitropropane, 1, dms., works lb. .30 • —
2, dms., works lb. .30 • —
Nutgalls, Aleppo, bgs lb. .50 • —
Chinese, bgs. lb. .40 • —
Istrian, bgs lb. .29 • —
Nutmegs, East Indian, bgs., futures, afloat lb. .47 • .48
West Indian, bgs lb. .42 • .42½
futures lb. .41 • .41½
Nux vomica, bls lb. .08 • .09
powdered, bbls., bxs lb. .11 • .12

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 • —
l.c.l. gal. .21 • .60
tanks gal. .15½ • —
Bayonne, N. J., tanks gal. .16 • —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
Bitter, F.P.A., bots lb. 4.45 • 5.00
NF, bots lb. 4.90 • —
Sweet, dms., cns lb. .80 • 1.30
Angelica root, bots lb. 120.00 -250.00
Seed, bots lb. 110.00 -200.00
Anilin (see A).
Anise, USP, Chinese, dms lb. .80 • 1.00
Russian, cns lb. 3.25 • 3.75
Apricot kernel, cns., dms. lb. .48 • .56
Avocado, cns., dms lb. 1.00 • 1.10
Babassu, tanks lb. .23½ • —
Oil, bay, NF, Puerto Rican, 50-55%, cns lb. 1.20 • 2.25
55-60%, cns lb. 1.20 • 2.35
60-65%, cns lb. 2.50 • —
West Indian, 50-55%, cns lb. 1.20 • 1.65
Bergamot, artif., cns lb. 2.50 • 4.25
natural, Italian, cns. lb. 3.75 • 6.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns lb. .95 • 1.76
rectified, cns. lb. 4.25 • —
Bois de rose, Brazil, cns lb. 3.00 • 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 • .70
Cajeput, tech., dms. lb. 1.75 • 2.00
redistelled, USP, cns lb. 2.20 • 4.50
Calamus, cns lb. 20.00 -28.00
Camphor, natural, white, cns lb. .33 • .43
synthetic, dms lb. .15 • .40
Cananga, native, cns. lb. 3.50 • 3.75
rectified, cns. lb. 4.75 • 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb. 35.00 -36.00
Cassia, USP, cns. lb. 1.90 • 3.75
Castor, blown, ret. dms., c.l. lb. .23 • —
cold-pressed, USP, ret. dms., c.l. lb. .21 • —
l.c.l. lb. .22 • —
tanks lb. .20 • —
dehydrated, bodied, dms., c.l. lb. .24½ • —
l.c.l. lb. .25 • —
tanks lb. .23½ • —
unbodied, dms., c.l. lb. .23¼ • —
l.c.l. lb. .24 • —
tanks lb. .22½ • —
hydrogenated, dms., c.l., works. lb. .30 • —
l.c.l., same basis lb. .31 • —
No. 3, tech., ret. dms., c.l. lb. .20½ • —
l.c.l. lb. .21¾ • —
tanks lb. .19½ • —
Oil, castor, sulphonated, 50% (48% fat), dms lb. .13 • .13½
75% (60-62% fat), dms lb. .18 • .18½
Cedarleaf, USP, cns., dms. lb. 1.95 • 2.85
Cedarwood, cns. lb. .45 • .95
dms. lb. .40 • .85
Celeryseed, bots lb. 14.00 -16.50
Chaulmoogra, NF, cns., dms lb. .56 • —
Chinawood (see Oil, tung).
Cinnamon bark, bots lb. 33.00 -73.00
Leaf, Ceylon lb. 1.50 • 1.75
Seychelle lb. 1.20 • —
Citronella, Ceylon, cns lb. .65 • .96
Java, cns. lb. 1.15 • 1.45
Clove, USP, from Madagascar buds, cns., dms lb. 1.10 • 1.40
from Zanzibar buds, cns. lb. 1.45 • 1.60
Coconut, crude, tanks, Atlantic ports lb. .20 • —
Pac. coast lb. .19 • —
refined, Cochin type, tax incl., dms., c.l lb. .29½ • —
deodorized, tax incl., dms., l.c.l. lb. .32½ • —
Cod, Newfoundland, dms lb. .22 • .23
Codliver, USP, dms gal. 2.60 • 2.70
Coriander, bots lb. 30.00 -40.00
Corn, crude, tanks, works lb. .17 • —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, tanks, mills lb. .21 • —
dms. lb. .25 • —
Costus, bots. oz. 45.00 • —
Cottonseed, crude, tanks, works lb. .16¾ • —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, dms lb. .25 • —
tankcars lb. .22 • —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb. 4.75 • 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 8.75 -10.00
Cumin, bots. lb. 6.25 -11.50
Oil, cypress, bots lb. 11.00 -15.00
Degras (see D).
Dilliseed, bots lb. 9.00 • 9.50
Dillweed, bots lb. 8.50 • 9.25
Dip (see D).
Erigeron, cns lb. 4.00 • 4.25
Eucalyptus, rectified, USP, 80-90%, cns lb. .80 • 1.45
70-80%, cns. lb. .69 • 1.30
Fennel, sweet, cns. lb. 3.05 • 4.50
Fir, Canada, cns lb. 1.90 • 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms 1,000,000 units. .26½ • —
20,000 to 80,000 A units, dms 1,000,000 units. .29 • .34
pharmaceutical, 50,000 to 125,000 A units, dms 1,000,000 units. .35 • .41
pharmaceutical or food, 200,000 A units, dms 1,000,000 units .45 • .48
concentrate, 100,000 A units, dms 1,000,000 units. .40 • .48
200,000 A units, dms. 1,000,000 units. .45 • .48
500,000 A units, dms. 1,000,000 units. .53 • —
1,000,000 A units, dms 1,000,000 units. .55 • —
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots. oz. 9.00 • 9.25
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb. 9.25 -11.50
Bourbon, cns. lb. 8.25 -15.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb. 7.50 -13.00
Grapefruit lb. 1.10 • 2.60
Grease, No. 1, dms lb. .16¼ • .18
extra, winter, strained, dms lb. .17½ • .19¼
prime, burning, dms lb. .18¾ • .20¾
Guaiacwood, cns lb. 2.05 • 4.15
Hemlock, cns. lb. 1.95 • 2.75
Herring, crude, tanks, Pac. coast. No prices.
Juniper berry, NF VIII, bots lb. 3.75 • 4.00
twice rectified lb. 5.50 • 6.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb. .65 • 1.00
Lard (see Oil, grease).
Laurel, bots lb. 9.75 -12.25
Lavandin, cns. lb. 1.40 • 3.75
Lavender flower, French, 38-42% ester, cns lb. 3.50 • 4.10
30-32% ester, cns lb. 2.40 • 3.10
Spike, Spanish, pure, cns. lb. 1.10 • 2.25
tech., cns. lb. 1.00 • 2.78
Lemon, natural, USP, Calif., cns. lb. 2.55 • 2.95
Messina lb. 2.75 • 3.70
terpeneless, bots lb. 32.00 -65.00
Lemongrass, cns., dms lb. 1.65 • 1.90
Lignaloe seed, Mexican, cns lb. 4.50 • 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb. 2.75 • 5.20
Lime, distilled, Mexican, cns lb. 4.25 • 5.00
West Indian, cns lb. 4.50 • 6.00
expressed, West Indian, cns lb. 6.75 -11.25
terpeneless, bot lb. 35.00 -53.00
Linseed, raw, dms., c.l. lb. .2880- —
l.c.l. lb. .2960- .30
tankcars lb. .2760- .2780
tankwagon lb. .2800- —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks. gal. .285 • —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal. .21 • .22
200 vis., No. 3, col., 15-25 pour, tanks gal. .18 • .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal. .285 • —
Penna., W., cylinder, 600-680 flash, tanks gal. .33 • .38
cylinder, 600-650 steam refd., tanks gal. .37 • —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks gal. .37 • .38
200 vis., 25 pour, tanks, gal. .39 • .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks, gal. .11 • .12
red. 200 vis., 4-6½ pour, tanks gal. .11 • .12½
Mace, dist., cns., dms lb. 4.65 • 8.75
Mandarin, Brazilian, cns lb. 4.25 • 8.40
Italian, cns. lb. 8.75 • 9.30
Menhaden, crude, tanks, Baito lb. .14 • .15
refined, alkali, dms., l.c.l. lb. .2090- —
kettle-bodied, dms., l.c.l. lb. .2240- —
light-pressed, dms., l.c.l. lb. .1940- —
tanks lb. .18 • —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns lb. 1.40 • 1.60
Seed, expressed, dms. lb. .26½ • .27
Neatsfoot, 15°, dms lb. .41 • —
20°, dms lb. .40 • —
30°, dms lb. .38 • —
Neroil, French, bots lb. 75.00 -390.00
Haitian, bots lb. 175.00 -200.00
Niaouli, cns lb. 2.85 • 3.25
Nutmeg, dist., cns lb. 4.65 • 8.75
Ocotea cymbarum, dms. lb. .48 • 1.15
Oiticica, liquid, dms., c.l. lb. .18 • .18¼
l.c.l. lb. .18½ • —
tanks lb. .18 • .18¼
Oleo, extra, tcs lb. .20 Nom.
Olibanum, bots lb. 4.50 • 6.25
extra fine lb. 6.25 -10.50
Olive, denat., dms. gal. 3.25 • 3.35
edible, Calif., dms. gal. 4.00 Nom.
Spanish, dms., duty paid gal. 4.50 • 4.75
Moroccan, dms., same basis, gal. 4.10 • 4.25
foots, dms lb. .23 • .23¼
tankcars lb. .22 • —
sulphonated, 50% (40% fat), dms., c.l. lb. No stocks.
l.c.l. lb. No stocks.
75% (62% fat), dms., c.l. lb. No stocks.
l.c.l. lb. No stocks.
Orange, sweet, natural, dist., cns lb. .75 • 1.00
expressed, USP, Brazilian, cns lb. 1.25 • 1.95
Calif., cns lb. 1.25 • 1.75
Florida, cns., dms. lb. .72 • 1.00
Messina, coppers lb. 3.50 • 5.50
West Indian, cns lb. 2.25 • 3.75
sesquiterpeneless, bots lb. 55.00 -135.00
Origanum, Spanish, cs lb. 2.40 • 3.50
Palm, Congo, dms lb. .22½ • .23
Palmarosa, cns lb. 6.50 • 9.00
Palmkernel, crude, bulk, cif, NY lb. No prices.
Paraffin, pale 100-110 vis. at 100° F. tanks, works gal. .10 • —
Patchouli, dms. lb. 6.00 -18.00
Peanut, crude, tanks, works lb. .17½ • —
foots, acid, 95%, tanks, dlvd. E lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, tanks, dlvd. E lb. .22 • —
drums lb. .25 • —
Pennyroyal, USP, dom., dms., cns lb. No stocks.
imported, cns. lb. 2.30 • 2.55
Peppermint, natural, dms lb. 6.90 • 7.85
redist., USP, dms lb. 7.15 • 8.30
Perilla, crude, dms lb. No stocks.



LIKE THE FLAVOR OF A FRESH-CUT LEMON....

When it's *lemon* you want, Exchange is the Oil!

More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil. This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers *flavor . . . clarity* and *uniformity* not found in any other Lemon Oil.

Always specify it by the brand name when you order — Exchange Oil of Lemon. And to insure your satisfaction, accept no other brand.

Distributed in the United States exclusively by
DODGE & OLCOTT, INC.
180 Varick Street, New York 14, N. Y.
FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Oil, petitgrain, Paraguay, cns....lb. 2.85 - 4.30
Pimento berry, dms.....lb. 4.25 - 6.50
leaf, cns.....lb. 1.50 - 3.25
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 - .69
l.c.l., works, South gal. .61 - .70
dms., incl., c.l., works, South lb. .07½- —
l.c.l., works, South lb. .08 - —
ex whse., N. Y. C gal. .70 - —
ex whse., N. Y. C lb. .09½- —
tanks, works, South gal. .60 - —
tanks, works, South lb. .062 - —
steam-dist., dms., ex whse., East lb. .095 - —
non-ret. dms., incl., l.c.l., ex whse., N. Y. C gal. .86 - —
Pineneedle, Siberian, cns lb. 2.65 - 3.75
Swiss, 25-lb. cans lb. 4.00 -14.50
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal. .13½- —
light, dms gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .24 Nom.
Red, single dist., dms lb. .17¾- .18¾
tanks lb. .16½- —
saponified, dms. lb. .17 - .18
double dist., dms lb. .20¼- .21¼
tanks lb. .19 - —
Rose, natural, coppers oz.16.00 -40.50
Rosemary, Spanish, tech., cns., dms lb. .75 - 1.50
USP, cns., dms lb. 1.00 - 1.60
Rosin, first rectified, dms gal. .66 - —
2d rectified, dms gal. .68 - —
3d rectified, dms gal. .78 - —
Rue, bots lb. 3.25 - 5.00
Sage, clary, bots. lb.14.50 -16.00
Dalmatian, cns. lb. 2.80 - 3.10
Spanish, cns. lb. 1.70 - 3.50
Sandalwood, NF, cns. lb.13.00 -16.30
Sardine, crude, tanks, Pac. coast. lb. .14 - —
refined, alkali, dms., l.c.l. lb. .2090- —
kettle-bodied, dms., l.c.l. lb. .2240- —
light-pressed, dms., l.c.l. lb. .1940- —
tanks lb. .18 - —
Sassafras, artificial lb. .45 - .55
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms. lb. 1.80 - 2.30
Savin, cns lb. 4.00 - 4.25
Savory, cns lb. 8.00 - —
Seal, No. 1, tanks, U. S. ports lb. No prices.
Sesame, tanks lb. No prices.
Shingle stain, bbls., c.l., works gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - .16
Snakeroot, Canada, cns lb.22.50 - —
Soybean, crude, tanks, mills lb. .16¼- —
foots, acid, 95%, tanks, dlvd. E. lb. .07½ Nom.
raw, 50%, tanks, dlvd. E lb. .03¾ Nom.
refined, alkali, dms., c.l. lb. .2102- —
l.c.l. lb. .2182- —
tanks lb. .1982- —
clarified, dms., c.l. lb. .1982- —
l.c.l. lb. .2062- .2102
tanks lb. .1862- —
winterized, refined, tankcars, dlvd. East lb. .19¾- —
drums lb. .23½- —
Spearmint, dms lb. 5.00 - 9.00
Sperm, bleached winter 45° tankcars lb. .2170- —
drums lb. .2270- .2320
natural winter 45°, tankcars lb. .20½- —
drums lb. .21½- .22
Spruce, cns., dms. lb. 1.95 - 2.75
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns lb. 4.50 - 8.00
Southern, cns. lb. 1.95 - 3.25
Tall, crude, tanks, works ton.40.00 - —
refined, dms., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
tanks, works lb. .05¾- —
Tallow, acidless, dms lb. .16¼- .18¼
Tansy, cns lb. 9.00 -14.00
Tar, pine, com'l, dms, incl., c.l., works, South gal. .41 - .43½
l.c.l., works, South gal. .43 - .45½
whse., N.Y.C. gal. .52¼- .54¾
tanks, works, South gal. .32 - .34½
rectified, USP, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms. lb. .26 - .27
Thyme, NF, red, cns lb. 2.15 - 3.35
white, cns. lb. 2.40 - 3.80
technical, white, cns lb. .35 - 1.00
Tung, dms., c.l. lb. .23¼- —
l.c.l. lb. .23¾- —
tanks lb. .21¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .30 - .53
Vetiver, Bourbon, cns. lb. 9.50 -45.00
Haitian lb.10.50 -20.00
Whale, ref., natural, dms lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, dms gal.10.00 -13.50
White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco gal. .51½- —
l.c.l., S.F. gal. .53½- .56½
50-65 vis., dms., c.l., N.Y. gal. .45 - —
l.c.l., N.Y. gal. .48 - .52
65-75 vis., dms., c.l., N.Y. gal. .48 - —
l.c.l., N.Y. gal. .51 - .55
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S. F. gal. .53¼- .56½
USP, 80-90 vis., dms., c.l., N. Y. gal. .52 - —
l.c.l., N. Y. gal. .55 - .59
85 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
100 vis., non-ret. dms., c.l., S. F. gal. .59 - —
l.c.l., S. F. gal. .61 - .64
125-135 vis., dms., c.l., N. Y. gal. .64 - —
l.c.l., N. Y. gal. .67 - .71
145 vis., non-ret. dms., c.l., S.F. gal. .68 - —
l.c.l., S. F. gal. .70 - .76
145-155 vis., dms., c.l., N. Y gal. .66 - —
l.c.l., N. Y. gal. .69 - .73
175-185 vis., dms., c.l., N. Y. gal. .69 - —
l.c.l., N. Y. gal. .72 - .76
180 vis., non-ret. dms., c.l., S.F. gal. .70 - —
l.c.l., S. F. gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .73 - —
l.c.l., N. Y. gal. .76 - .80
335-345 vis., dms., c.l., N. Y. gal. .81 - —
l.c.l., N. Y. gal. .84 - .88
340 vis., non-ret. dms., c.l., S. F. gal. .83 - —
l.c.l., S. F. gal. .85 - .88
Wintergreen, nat., Northern, cns. lb. 3.00 -14.50
Southern, cns lb. 3.65 - 6.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns. lb. 3.25 - 4.00

Oil, wormwood, cns lb. 6.65 -13.50
Ylang-ylang, Bourbon, extra, bots. lb. 8.00 -25.00
first, bots lb. 8.00 -15.00
second, bots lb. 5.00 -10.00
third, bots lb. 3.00 - 3.25
Olein, crude (see Oil, red),
low titre, dms lb. .20¾- .21¾
tankcars lb. .19½- —
white, dms. lb. .20¼- .21¼
tankcars lb. .19 - —
Oleostearin, bbls lb. .15 Nom.
Olivine, aggregate, c.l., mines ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works. ton.10.00 - —
paper, bgs., c.l., works ton.12.00 - —
lumps, bulk, c.l., works ton. 7.00 - —
Opium, USP, cns. lb.19.20 -19.45
gran., USP, cns. lb.21.65 -21.90
powd., USP, cns. lb.21.65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .31½- —

Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dinitroanilin toner lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld lb. .2760- —
Molybdate lb. .43 - —
Persian, bbls lb. .30 - .45

Oil, Petitgrain—Parachloro-orthonitroanilin

Orange flowers, bls lb. .40 - .43
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .14 - .16
Oregano, Mexican, bgs lb. .16 - .16½
Portuguese, bgs lb. .20 - .20½
Sicilian, bgs. lb. .16 - .16½
Orris root, Florentine, bls. lb. .26 - .27
powdered, bbls., bxs. lb. .30 - .31
Verona, bls lb. .18 - .19
powdered, bbls., bxs lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —
Orthoamylphenol, dms., l.c.l., works. lb. .42 - —
Orthoanisidin, bbls lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. .60 - —
smaller lots lb. .62 - .67
Orthochloroparanitroanilin, dms., works lb. .65½- .84
Orthochlorophenol, dms lb. .28 - —
Orthocresol, pure, 30° dms., c.l., works lb. .26 - .35
l.c.l., works lb. .26½- .35½
tech., 20°, dms., c.l., works lb. .24½- —
l.c.l. lb. .25 - —
29°-30°, dms., c.l., works lb. .25 - .34
l.c.l., works lb. .25½- .34½
25°-27°, dms., c.l., works lb. .22¾- —
l.c.l., same basis lb. .23¼- —
tanks, same basis lb. .22 - —
Orthodichlorobenzene, cns., 50-lb lb. .12½- —
100-lb. lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .07 - —

Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.

Orthoisopropyl N-phenylcarbanate (see IPC).
Orthonitroanilin, dms lb. .50 - .53
Orthonitrochlorobenzene, dms. lb. .17 - .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, dms lb. .66 - .77
Orthonitrotoluene, dms. lb. .12 - —
Orthophenetidin, dms lb. .90 - —
Orthotoluidin, dms lb. .18 - .20
Orthotolidin, distilled, kgs lb. 1.10 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Ouabaine, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs. works lb. 6.40 - —
smaller lots, works lb. 6.55 - 7.40

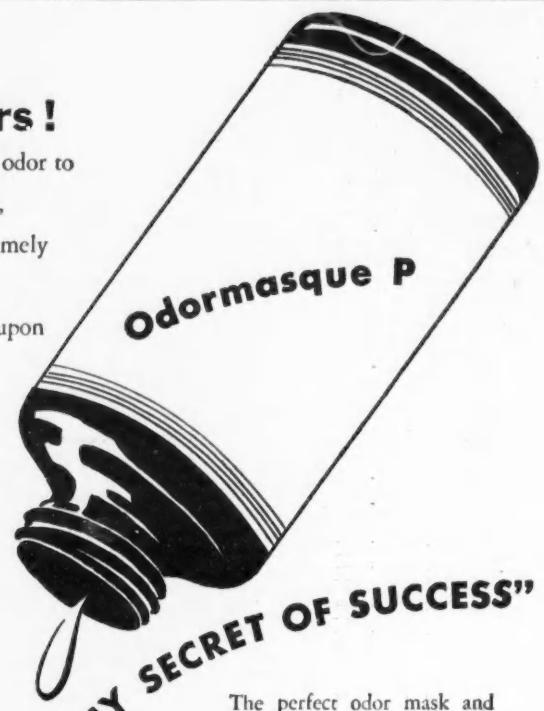
P

Panthenol, bots., works, frt. adjust. kilo.90.00 - —
Papain, powd., cs lb. 3.60 - 4.50
Papaverine, natural or synthetic, hydrochloride, NF, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 - 7.35
Paprika, Chilean, bgs lb. .25 - .26
Portuguese, bgs. lb. .32 - .33
Spanish, bgs lb. .42 - .43
Para-anisidin, dms., works lb. .80 - —
Parachlorophenol, dms., c.l., works. lb. .27 - —
l.c.l., works lb. .28 - .33
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, dms lb. No stocks.

Scents means dollars!

Odormasque P gives a pleasant, mellow odor to paints, solvents, mineral terps, kerosene, insecticides, and similar items. It's extremely economical to use!

MANUFACTURERS ONLY: Send the coupon today for a free sample.



"MY SECRET OF SUCCESS"

The perfect odor mask and covering agent for More Success in Selling:

Paints
Solvents
Insecticides
Mineral Terps
Inks
and Many Others

Manufactured by Albert Albek, Inc., Culver City, California

NUNCA VARIA ALBEK

Albert Albek, Inc.
3573 Hayden Ave.
Culver City, California

Please send a free sample and more information about Odormasque P.

NAME_____
COMPANY_____
ADDRESS_____
CITY_____
ZONE____ STATE_____

Paracresol—Potassium-zirconium Fluoride

Paracresol, 98%, dms., works....lb. .50 - .65
92%-94%, dms., works.....lb. .47 - —
Paracymene, dms., works, 50 gals. or more.....gal. 2.50 - —
smaller quantities.....gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots, works.....lb. .45 - —
Paradichlorobenzene, dms., c.l., works.....lb. .11 - —
l.c.l., same basis.....lb .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery.....lb. No prices.
121-123 ASTM, bbls., c.l., ref'y.....lb. No prices.
126-128 ASTM, bbls., c.l., ref'y.....lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y.....lb. .0690- —
122-124 ASTM, loose, c.l., ref'y.....lb. .07 - —
125-127 ASTM, loose, c.l., ref'y.....lb. .0710- —
128-130 ASTM, loose, c.l., ref'y.....lb. .0730- —
130-132 ASTM, loose, c.l., ref'y.....lb. .0735- —
132-134 ASTM, loose, c.l., ref'y.....lb. .0760- —
135-137 ASTM, loose, c.l., ref'y.....lb. .08 - —

Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, dms., 1,000 lbs., works.....lb. .24 - —
smaller lots, works.....lb. .25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works.....lb. .12½- .13½
5-10-gal. dms., l.c.l., works.....lb. .16½- —
tanks, works.....lb. .11 - —
USP, cbys.....lb. .51 - .53
Paranitroanilin, kgs., works.....lb. .44½- —
Paranitrochlorobenzene, kgs., works.....lb. .18 - —
Paranitrophenol, kgs., works, frt. equald.....lb. .40 - —
Paranitrotoluene, kgs., works.....lb. .39 - —
Paraphenylphenol, bgs., works.....lb. .27 - .28
Paraphenylenediamine, tech., kgs., works.....lb. 1.30 - —
Paratertiarybutylphenol, bgs., works.....lb. .19 - .20
Parathion tech., dms., c.l., works.....lb. 2.50 - —
l.c.l., works.....lb. 2.55 - —
Paratoluenesulphonamide, bbls., works.....lb. .70 - —
Paratoluidin, bbls., works.....lb. .55 - .63
Pareira brava root, whole, bgs.....lb. .30 - .31
ground, bxs.....lb. .40 - .41
powder, bxs.....lb. .42 - .43
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E.....lb. .31 - —
l.c.l., same basis.....lb. .32 - .33
Passion flower herb, bls.....lb. .26 - .28
Patchouli leaves, bls.....lb. .45 - .50
Peanut meal, 41%, packed, mills ton. 63.00 - —
Pectin, citrous, bbls.....lb. 1.25 - —
Penicillin, bulk, calcium, Romansky, 500,000,000 to 5,000,000,000 units 100,000 units. .06½- .08¾
Potassium, crystalline, same quantity 100,000 units. .08 - .09¼
Procaine G, same quantity 100,000 units. .09 - .09¾
Sodium, crystalline, same quantity 100,000 units. .09 - .09¾
distributors' unlabeled, potassium crystalline, bots., 100,000 units bot. .16 - —
200,000 units.....bot. .24½- —
500,000 units.....bot. .50 - —
1,000,000 units.....bot. .92½- —
Sodium, amorphous, 100,000 unit bot. bot. .16 - —
200,000 units.....bot. .25 - —
500,000 units.....bot. .52 - —
1,000,000 units.....bot. .97 - —
crystalline 100,000 units bot. .16½- —
200,000 units.....bot. .25½- —
500,000 units.....bot. .52½- —
1,000,000 units.....bot. .97½- —
Procaine G in oil, 10 cc vials, 300,000 units per cc.....vial. 3.60 - —
Pennyroyal leaves, bls.....lb. .28 - .30
Pentachlorophenol, dms., works.....lb. .20 - .25
Pentaerythritol, tech., bgs., c.l., works.....lb. .32 - —
l.c.l., works.....lb. .34 - .36

For di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).

Pentane, industrial, tanks, group 3.....gal. .10½- .11½
Pepper, black, bgs.....lb. .75 - .76
futures, bgs., nearby.....lb. .72 - .73
distant, new crop.....lb. .54 - .59
Red, capsicum, Louisiana longs, bgs., shipment point.....lb. .18 Nom.
Hontaka, bgs., futures.....lb. .53 - .54
Mombasa, futures, bgs.....lb. .40 - .41
Niger, bgs.....lb. .34 - .35
birdseye, bgs.....lb. .50 - .51
Sierra Leone, futures.....lb. .23 Nom.
Chillies, Haitian, bgs.....lb. No stocks.
Mexican, long.....lb. No stocks.
White, bgs.....lb. .80 - .81
Peppermint, USP, dom., bls.....lb. .60 - .65
imported, bls.....lb. .75 - .85
Perchloroethylene, dms., c.l., zone 1, works, frt. alld.....lb. .10¾- —
zone 2, same basis.....lb. .11¼- —
zone 3, same basis.....lb. .11¾- —
zone 4, same basis.....lb. .11¼- —
l.c.l., zone 1, same basis.....lb. .11½- —
zone 2, same basis.....lb. .12 - —
zone 3, same basis.....lb. .12½- —
zone 4, same basis.....lb. .12 - —
tanks, zone 1, same basis.....lb. .10¼- —
zone 3, same basis.....lb. .11¼- —
zone 4, same basis.....lb. .10¾- —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. .85 - 1.05
Petrolatum, tech., dark, bbls., c.l., group 3.....lb. .021 - —
f.o.b. Indiana refy.....lb. .04½- —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l.....lb. .036 - —
red, veterinary, bbls., c.l.....lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, non-ret. dms., c.l.....lb. .04¾- —
Pennsylvania refy.....lb. .04½- —
l.c.l.....lb. .05½- —
California refy.....lb. .05¼- —
cream, c.l., dms.....lb. .06½- —
l.c.l.....lb. .08½- —
extra, amber, dms., c.l.....lb. .05 - —
Pennsylvania refy.....lb. .04¾- —
l.c.l.....lb. .06½- —
Petrolatum, USP, white, lily, dms., c.l.....lb. .06¾- —
l.c.l.....lb. .08½- —
snow, dms., c.l.....lb. .07¾- —
Pennsylvania refy.....lb. .07½- —
l.c.l.....lb. .09½- —
California refy.....lb. .12 - —
soft, dms., c.l.....lb. .06½- —
Pennsylvania refy.....lb. .06¾- —
l.c.l.....lb. .07½- —
California refy.....lb. .10½- —
yellow, soft, dms., c.l.....lb. .04½- —
Pennsylvania refy.....lb. .04½- —
l.c.l.....lb. .06 - —
California refy.....lb. .08¾- —
Petroleum, crude, bulk, at wells, California.....bbl. 1.94 - 2.88
Illinois.....bbl. 2.65 - 2.77
Kentucky.....bbl. 2.60 - 2.77
Louisiana-Arkansas.....bbl. 2.14 - 2.75
Montana.....bbl. 2.50 - 2.65
Oklahoma-Kansas.....bbl. 2.23 - 2.65
Pennsylvania, lower field.....bbl. 4.50 - 5.00
Upper field.....bbl. 3.10 - 4.50
Texas, East.....bbl. 2.65 - —
Gulf coast.....bbl. 2.38 - 2.95
North, North-Central.....bbl. 2.23 - 2.65
Panhandle.....bbl. 2.23 - 2.65
West.....bbl. 2.10 - 2.22
Wyoming.....bbl. 1.90 - 2.65
Ether, laboratory, 30°-60° C. cns., dlvd. E.....gal. 1.50 - —
dms., c.l., group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E.....gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. F.....gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
90°-160° C, ret. dms., ex-tax, f.o.b. San Francisco.....gal. .57 - —
Fuel oil, bunker C (No. 6), California, heavy tanks, refinery.....bbl. 2.15 - 2.40
light, tanks, refinery.....bbl. 2.45 - 2.60
Eastern, tanks, Albany, N.Y.....bbl. 3.249 - —
Baltimore, Md.....bbl. 2.83 - —
Boston, Mass.....bbl. 2.855 - 3.055
Charleston, S. C.....bbl. 2.76 - —
Jacksonville, Fla.....bbl. 2.79 - —
New York, N. Y.....bbl. 2.83 - 2.90
Norfolk, Va.....bbl. 2.80 - —
Philadelphia, Pa.....bbl. 2.83 - 2.85
Portland, Me.....bbl. 2.83 - —
Providence, R. I.....bbl. 2.83 - —
Savannah, Ga.....bbl. 2.79 - —
Diesel, tanks, refinery, California.....gal. .095 - .118
Pennsylvania.....gal. .11 - .12
Furnace, tanks, refinery, Arkansas, No. 2.....gal. .08625- —
No. 3.....gal. .08375- —
Bayonne, N. J., No. 2.....gal. .091 - —
Group 3, No. 1.....gal. .08875- .09375
No. 1, straw.....gal. .08875- .0925
No. 2, straw.....gal. .085 - .09125
range.....gal. .09125- .09375
Pennsylvania, No. 1.....gal. .1125- .125
No. 2.....gal. .11 - .125
No. 3.....gal. .11 - .12
Lacquer diluent, California, 170-255 F, b.r., tanks, ex-tax, f.o.b. Los Angeles.....gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore.....gal. .158 - —
San Francisco.....gal. .152 - —
Seattle, Wash.....gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery.....gal. .16 - —
Group 3, benzol-type, tanks, refinery.....gal. .1225- .13
toluol-type, tanks, refinery.....gal. .1225- .13
Mineral spirits, California, 170-255 b.r., tanks, ex-tax, f.o.b. San Francisco.....gal. .152 - —
205-295 b.r., tanks, same basis.....gal. .152 - —
245-360 b.r., tanks, same basis.....gal. .152 - —
305-362 b.r., tanks, same basis.....gal. .142 - —
312-400 b.r., tanks, same basis.....gal. .142 - —
360-455 b.r., tanks, same basis.....gal. .152 - —
East coast, tanks, N. J., N. Y., refinery.....gal. .14 - —
Group 3, tanks.....gal. .1025- .115
tankwagon, Baltimore.....gal. .175 - —
Boston.....gal. .16 - —
Buffalo.....gal. .165 - —
Camden, N. J.....gal. .15 - —
Chicago.....gal. .195 - —
Detroit.....gal. .211 - —
Kansas City, Mo.....gal. .182 - —
Lancaster, Pa.....gal. .16 - —
Newark.....gal. .15 - —
New York.....gal. .15 - —
Philadelphia.....gal. .15 - —
Pittsburgh.....gal. .175 - —
Providence.....gal. .165 - —
Rochester.....gal. .175 - —
St. Louis.....gal. .189 - —
Syracuse.....gal. .185 - —
Washington, D. C.....gal. .175 - —
Naphtha, cleaners, California, tanks, San Francisco.....gal. .123 - —
East coast, tanks, N. J., N. Y., refinery.....gal. .14 - —
Group 3, tanks.....gal. .10625- .12
tankwagons, St. Louis.....gal. .1890- —
Newark.....gal. .15 - —
Chicago.....gal. .195 - —
Detroit.....gal. .211 - —
New York.....gal. .15 - —
Philadelphia.....gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks.....gal. .13 - .145
200-285 b.r., 37-38° C, mixed anilin pt.....gal. .22 - —
25-26° C, m.a.p.....gal. .21 - .26½
270-370 b.r., 78-81° C, m.a.p.....gal. .24½- .26
270°-370° b.r., 49° C, m.a.p.....gal. .29 - —
26° C, m.a.p.....gal. .21 - .26
300-400 b.r., 26-32° C, m.a.p.....gal. .21 - .26½
340-410 b.r., 32° C, m.a.p.....gal. .21 - —
36° C, m.a.p.....gal. .21 - .28½
340-440 b.r., 32° C, m.a.p.....gal. .26½- —
360-480 b.r., 25° C, m.a.p.....gal. .21 - —
V.M.&P., California, 245-360 b.r., tanks, ex-tax, f.o.b. Los Angeles.....gal. .147 - —
Portland, Ore.....gal. .158 - —
San Francisco.....gal. .152 - —
Seattle, Wash.....gal. .158 - —
East coast, N. J., N. Y., tanks.....gal. .15 - —
Petroleum naphtha, VM&P, Group 3, tanks.....gal. .1125- .12
Gulf coast, tanks, New Orleans.....gal. .12375- —
tankwagon, Boston.....gal. .175 - —
Chicago.....gal. .205 - —
Detroit.....gal. .221 - —
Milwaukee.....gal. .207 - —
Minneapolis.....gal. .205 - —
Newark.....gal. .165 - —
New York.....gal. .165 - —
Philadelphia.....gal. .165 - —
Pittsburgh.....gal. .185 - —
St. Louis.....gal. .199 - —
Solvent, rubber, California, tanks, ex tax, San Francisco.....gal. .152 - —
East coast, N. J., N. Y.....gal. .15 - —
Group 3, tanks.....gal. .11 - .1175
Stoddard, California, tanks, ex tax, San Francisco.....gal. .142 - —
East coast, N. J., N. Y., tanks.....gal. .14 - —
Group 3, tanks.....gal. .11 - .1175
Pennsylvania, western, tanks.....gal. .10 - —
tankwagon, Boston.....gal. .16 - —
Chicago.....gal. .195 - —
Detroit.....gal. .211 - —
Milwaukee.....gal. .197 - —
Minneapolis.....gal. .195 - —
Newark.....gal. .15 - —
New York.....gal. .15 - —
Philadelphia.....gal. .15 - —
Pittsburgh.....gal. .175 - —
St. Louis.....gal. .189 - —
Syracuse.....gal. .185 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works.....lb. .15¼- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13¾- —
50% sulphonic content, ret. dms., c.l., works.....lb. .12¼- —
l.c.l., works.....lb. .12½- —
tanks, works.....lb. .10¾- —
Phenobarbital, dms, 100 lbs.....lb. 4.00 - 4.35
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, and frt. equald.....lb. .13½- .14½
l.c.l., same basis.....lb. .14¼- .15¼
tanks, same basis.....lb. .12½- .13½
82-84% (cresol, 16-18%), dms., c.l., same basis.....lb. .14 - .15
l.c.l., same basis.....lb. .14¾- .15¾
tanks, same basis.....lb. .13 - .14
USP, dms., c.l., same basis.....lb. .13½- .14¼
l.c.l., same basis.....lb. .14¼- .15
tanks, same basis.....lb. .12½- —
Phenolphthalein, USP, yellow, bbls., dms., 2,000 lbs.....lb. 1.00 - —
smaller lots.....lb. 1.01 - 1.04
Phenothiazin, NF, fib. dms., ton lots, works.....lb. .49 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots.....lb. 2.35 - 2.75
pure, bots.....lb. 4.00 - 4.80
Phenylacetamide, dms., works, 1,000 lb. lots.....lb. 1.45 - —
smaller lots.....lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works.....lb. .50 - —
Phenyldiethanolamine, dms., c.l., works.....lb. .35½- —
l.c.l., works.....lb. .36½- —
Phenylethanolamine, dms., c.l., works.....lb. .67½- —
l.c.l., same basis.....lb. .68½- —
Phenylethyl acetate, dms.....lb. 1.65 - 2.70
Phenylethylphenyl acetate, bots.....lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots.....lb. 3.00 - 3.07
Hydrochloride, CP, bots., works.....lb. 5.00 - 5.07
commercial, kgs., works.....lb. 1.75 - —
Phenylmethylpyrazolone, dms., works.....lb. 1.58 - 1.60
Phloroglucinol, CP, fib. dms., works.....lb. 13.75 - 15.75
commercial fib. dms., works.....lb. 7.00 - 8.00
tech., fib., dms.....lb. 10.00 - 10.75
Phosgene, 150-lb. cyls., works.....lb. .20½- —
10-lb. cyls., works.....lb. 1.50 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine.....long ton. 4.61 - —
70%-68%, b.p.l., c.l. same basis.....long ton. 5.01 - —
72%-70%, b.p.l., c.l., same basis.....long ton. 5.31 - 5.61
75%-74%, b.p.l., c.l., same basis.....long ton. 6.31 - 6.51
77%-76%, b.p.l., c.l., same basis.....long ton. 7.31 - —
finely ground, 65.5% b.p.l., basis 30% P_2O_5 minimum.....short ton. 5.78 - —
68%, b.p.l., basis 31% P_2O_5 minimum.....short ton. 5.98 - —
70%, b.p.l., basis 32% P_2O_5 minimum.....short ton. 6.93 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Tennessee, brown, run-of-mine, unground, 27-26% P_2O_5.....long ton. 6.00 - —
30-29% P_2O_5.....long ton. 6.75 - —
Phosphorus, red, amorphous, cs.....lb. .33 - .36
tins, export.....lb. .34 - .37
Yellow, cns.....lb. .30 - .37
dms., c.l.....lb. .26 - —
Oxychloride, dms., works.....lb. .12 - .15
Pentoxide, dms., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13 - .14
Sesquisulphide, tins, cs., works.....lb. .28 - .29
dms., export.....lb. .33½- .36
Trichloride, dms., c.l., works.....lb. .12 - .15
l.c.l., works.....lb. .13 - .16
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald.....lb. .22½- —
Pacific Coast, dlvd.....lb. .22 - .24¼
l.c.l., frt. equald.....lb. .23½- —
Pacific Coast, dlvd.....lb. .24 - .26¼
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials.....oz. 6.50 - 7.50
Nitrate, bots., vials.....oz. 6.25 - 7.25
Pimento, Jamaica, bgs.....lb. .24 - .24½
Pinetar, retort, dms. incl., c.l., works, South.....gal. .43½- —
l.c.l., same basis.....gal. .45½- —
whse., N.Y.C.....gal. .54¾- —
tanks, works, South.....gal. .34½- —
Pinkroot, bls.....lb. 1.95 - 2.00
Piperidine, 95%, dms., frt. equald.....lb. 1.63 - —
98%, dms., same basis.....lb. 1.75 - —
Piperazine hexahydrate, bots.....lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch, coaltar, 150°F. m.p., bbls., c.l., works.....ton. 34.00 - —
l.c.l., works.....ton. 36.00 - 37.00
Cottonseed, dms., works.....lb. .10½- .10¾
Hardwood, paper bgs., works.....lb. .04 - —
Linseed, dms.....lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East.....100 lbs. 6.90 - —
Soybean, dms., works.....lb. .10¼- .10¼
Plaster of paris (see Gypsum).
Platinum metal, works.....oz. 89.00 - 93.00
Pleurisy roots, bls.....lb. .25 - .26
Podophyllin, dms.....lb. 14.25 - —
Pokeroot, bls.....lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.....lb. .33 - —
20,000 lbs., same basis.....lb. .34 - —
smaller lots, same basis.....lb. .35 - .42
water-clear, dms., 30,000 lbs., works, frt. alld.....lb. .27 - —
20,000 lbs., same basis.....lb. .28 - —
smaller lots, same basis.....lb. .29 - .35
Pomegranate root bark, bgs.....lb. .75 Nom.
Poppy flowers, bls.....lb. .50 - .55
Seed, Danish, bgs., futures.....lb. .24½- .25
Dutch, bgs.....lb. .21 - .21¼
Turkish, bgs.....lb. .13½- .14
futures, bgs.....lb. .13 - .13½
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works.....100 lbs. 9.60 - —
l.c.l., works.....100 lbs. 10.35 - —
liquid, dms., c.l., works.....100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
tanks, works.....100 lbs. 8.25 - —
solid, 90%, dms., c.l., works.....100 lbs. 9.00 - —
l.c.l., works.....100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works.....lb. .0785- —
l.c.l., works.....lb. .0860- —
liquid, 45% basis, dms., c.l., works.....lb. .03575- —
l.c.l., same basis.....lb. .0395- —
tanks, same basis.....lb. .03¼- —
solid, 88-92%, dms., c.l., works.....lb. .07¼- —
l.c.l.....lb. .08 - —
Potassium abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .31 - —
Bicarbonate, USP, gran., dms.....lb. .20 - .22
powd., dms.....lb. .22 - .24
Bichromate, bgs., c.l., works.....lb. .12¾- —
l.c.l.....lb. .12⅝- .13
Potassium bichromate in bbls., ¼c. higher.
Borate, gran., bbls., c.l., works.....ton. 200.00 - —
ton lots, works.....ton. 218.50 - —
less ton lots, works.....ton. 223.50 - —
Bromate, bbls., 1,000 lbs. or more.....lb. .48 - —
25-200 lbs.....lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs.....lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works.....lb. .07½- —
l.c.l., same basis.....lb. .08 - —
hydrated, 83-85%, bbls., c.l., works.....lb. .06 - —
dms., l.c.l., works.....lb. .06½- —
USP, gran., bbls., dms.....lb. .16½- .18
powd., bbls., dms.....lb. .21 - .23
Chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., works.....lb. .08½- —
l.c.l., works.....lb. .09¾- —
powd., dms., kgs., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse.....lb. .12 - —
Chloride, USP, cryst., dms.....lb. .26 - .27
gran., bbls.....lb. .20 - .22
powd., bbls.....lb. .29 - .32
Citrate, USP, gran., dms.....lb. .37½- .42½

Potassium citrate, USP, powd., 3c. per lb. higher.

Cyanide, dms., works.....lb. .55 - —
Fluoride, dms., works.....lb. .24 - —
Glycerophosphate, 75% solution, cbys.....lb. 2.05 - 2.20
Sulphonate, NF, dms.....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic), USP, pellets, jars.....lb. .33 - —
Hypophosphite, 50-lb. lots.....lb. .90 - .93
Iodide, dms.....lb. 2.10 - 2.13
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphate, gran., bbls.....lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M.. unit-ton. .37½- —
Trona, Cal.....unit-ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls.....lb. .30 - —
Perchlorate, kgs., c.l., works.....lb. .13½- —
dms., l.c.l., works.....lb. .14 - .15
Permanganate, tech., kgs., works.....lb. .21¾- .22¼
USP, dms., works.....lb. .29 - —
Persulphate, dms., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .21 - —
Phosphate, tetrabasic, bbls., works.....lb. .13 - .13½
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works.....ton. 200.00 - —
l.c.l.....100 lbs. 15.25 - —
Solution, 29° Be, ret. dms., c.l., works.....100 lbs. 4.25 - —
l.c.l., 5 or more, works.....100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
62° Be, ret. dms., c.l., works.....100 lbs. 4.75 - —
l.c.l., 5 or more, works.....100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works.....flask. 92.00 - 93.00
l.c.l., 5 or more, works.....100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Silicofluoride, bbls., works.....lb. .07 - .08
Sulphate, NF, cryst., bbls.....lb. .31 - .33
gran., dms.....lb. .14 - .15
agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works.....ton. 32.50 - —
indust, bulk, works.....ton. 36.00 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, cryst., NF, dms.....lb. .70 - .78
tech., works.....lb. .45 - .50
Titanate, ctns., c.l., works.....lb. .12 - —
5 tons, works.....lb. .12¼- —
1 ton or less, works.....lb. .12½- .13
Xanthate, dms., c.l.....lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MgO, works.....ton. 14.50 - —
Potassium-sodium ferricyanide, kgs., works.....lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works.....lb. .45 - .55
Potassium-titanium oxalate, bbls., dms.....lb. .50 - .55
Potassium-zirconium fluoride, fib. dms., c.l., works.....lb. .50 - —
l.c.l., works.....lb. .52½- .55

Prickly ash bark, bls	lb.	.28	.33
Berries, bgs.	lb.	No stocks.	
Prince's pine herb, bls	lb.	55	60
Procaine hydrochloride, cns., 200-lb. lots	lb.	4.75	—
smaller lots	lb.	5.00	5.75
Propane, commercial grade, tanks, group 3	gal.	.06	—
Propionaldehyde, dms., c.l., works.	lb.	.16½	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Propyl acetate, dms., c.l., works	lb.	.17	—
l.c.l., works	lb.	.18	—
tanks, works	lb.	.15	—
tankwagons, works	lb.	.15½	—
Aldehyde (see Propionaldehyde).			
Propylene dichloride, dms., c.l	lb.	03½	—
l.c.l.	lb.	.09½	—
smaller containers	lb.	12½	—
tanks	lb.	07	—
Oxide, dms., c.l., frt. alld. E	lb.	.20½	—
l.c.l., frt. alld. E	lb.	.21½	—
tanks, frt equald. E	lb.	18½	—
Propyleneglycol NF, dms., c.l., frt. alld. E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16	—
tech., dms., c.l., frt. alld. E	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
tanks, same basis	lb.	.15	—
Methylether, dms., c.l., frt. equald.	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16½	—
Propylthiouracil, tots., works	kilo.	50.00	—
Psyllium seed, black, bgs	lb.	.30	.35
blonde, bgs	lb.	.23	.26
husks, bgs	lb.	.65	70
Pulsatilla herb, bls	lb.	55	.60
Pumice, dom., grd., course, 0½, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03¾	.04
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03¾	.04¼
fine, bgs., ton lots	lb.	.03¾	—
smaller lots	lb.	.03¾	.04
Italian, silk-screen, fine, bgs., ton lots	lb.	.04	—
coarse, bgs., ton	lb.	.05½	—
sun dried, fine, bgs., ton lots	lb.	.03	—
coarse, bgs., ton lots	lb.	.04½	—
Pumice in bbls is ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	25	.26
Purple lake (see Red).			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	8.50	—
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works	gal.	6.75	—
regular base, dms., works,	gal.	6.65	—
liquid (30 to 1), base 3 grams pyrethrins, per 100cc., odorless base, bbls., works	gal.	8.75	—
regular base, dms., works,	gal.	8.63	—
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.29	—
powder, 1.3% pyrethrins, bbls., works	lb.	.35½	—
Pyridin, denaturing ret. dms., works and frt. equald	gal.	2.49	2.52
refd., 2° non-ret. dms., c.l., same basis	lb.	.69	.70
l.c.l., same basis	lb.	.69½	.80
ret. dms., l.c.l., same basis	lb.	.69	.80
Pyridoxin hydrochloride, 100-gram lots	gram.	.55	—
Pyrites, Spanish, c.i.f. All ports.	long-ton.	8.00	—
Pyrocatchin (see Catechol).			
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines	ton.	11.00	11.50
230 mesh bulk, c.l., mines	ton.	12.00	—
325 mesh, bulk, c.l., mines	ton.	14.00	—
No. 3 200 mesh bulk, c.l., mines.	ton	9.50	—
insecticide grade, 200 mesh, bulk, c.l., mines	ton.	9.00	10.00
rubber grade, 140 mesh, bulk, c.l., mines	ton.	7.00	—
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.			
Pyroxylin scrap, opaque, amber, cs., works	lb.	.17	—
black, cs., works	lb.	.14	—
gray, cs., works	lb.	.14	—
mixed, mottled, cs., works	lb.	.12	—
white, china, ivory, cs., works.	lb.	.17	—
dense, cs., works	lb.	.17	—
translucent, pastels, cs., works.	lb.	.17	—
transparent, colorless, cs., works	lb.	.19	—
colors, cs., works	lb.	.17	—
shavings, opaque, amber, cs., works	lb.	.15	—
mixed, colors, cs., works	lb.	.14	—
white, cs., works	lb.	.17	—

Q

Quassia chips, bls	lb.	.07	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l.	lb.	.17½	—
liq., 35% tannin, bbls., works.	lb.	.09½	—
tanks, same basis	lb.	.09	—
solid, 64% tannin, bgs., c.l., duty extra	lb.	.13½	—
powd., 70% tannin, bgs., c.l., same basis	lb.	.18	—
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis.	lb.	.1273	—
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.			
Queen of the meadow root, bgs	lb.	.12	.13
Quercitron crystals, bbls., l.c.l.	lb.	.32½	—
Extract, liquid, bbls., l.c.l.	lb.	.14½	—
solid, bxs	cb.	.28	—
Quicksilver, flasks (76 lbs.) net.	flask.	86.00	91.00
Quince seed, bgs	lb.	.95	1.75
Quinindine, NF, v. cryst., cns	oz.	1.30	—
powd., precip., cns	oz.	1.22	Nom.
Sulphate, USP, cns	oz.	.95	—
Quinine, NF, cns., 100 ozs	oz.	1.00	—
Arsenate, cns., 100 ozs	oz.	1.30	—
Bisulphate, USP, cns., 100 ozs.	oz.	.73	—
Dihydrobromide, bots., 50 ozs.	oz.	1.00	Nom.
Dihydrochloride, USP	oz.	1.00	—
Ethylcarbonate, NF, cns., 100 ozs.	oz.	1.07	—
Formate, cns., 100 ozs	oz.	1.20	Nom.
Hydrobromide, NF, cns., 50-oz. cns	oz.	.91	—
Hydrochloride, USP, cns., 100 ozs.	oz.	.91	—
Hypophosphite, cns., 100 ozs	oz.	1.40	—
Phosphate, NF, cns., 100 ozs	oz.	1.10	—
Salicylate, NF, cns., 100 ozs	oz.	.95	—
Sulphate, USP, cns., 100 ozs	oz.	.80½	—
Tannate, USP, X, cns., 100 ozs	oz.	.60	Nom.
Valerate, NF, IV, 100 ozs	oz.	1.25	—
Quinine-urea hydrochloride, NF, cns	oz.	.97	—
Quinolin, dms., c.l., works	lb.	.54½	.55
l.c.l., works	lb.	.55	.55½

R

R salt, paste, dry basis, dms.	lb.	.70	.75
Raspberries, dried, bbls.	lb.	1.90	2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.45	2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.			
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies.	lb.	1.35	—
light shade, bbls., same basis.	lb.	1.20	—
maroon, bbls., same basis	lb.	1.45	1.55
medium shade, bbls., same basis.	lb.	1.30	—
medium-light shade, bbls., same basis	lb.	1.25	—
orange-red, bbls., same basis	lb.	1.15	—
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.			
Carmine, No. 40 (see Carmine).			
Crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coaltar).			
Eosin toner, bbls., works	lb.	.135	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.11¼	.11¾
Red iron oxide, synth., bgs	lb.	.11½	.11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J	lb.	.05¼	.09¼
special, high color, all shades	lb.	1.00	—
Lake C toner alizarin, bbls., works	lb.	1.05	—
Lithol toner, bbls., works	lb.	.80	—
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.40	—
Maroon, alizarin lake, 25% bgs., works	lb.	.40	.43
toner, bbls., works	lb.	1.35	1.50
Cadmium, deep, bbls., works	lb.	1.20	—
regular, bbls., works	lb.	1.10	—
Iron oxide, bgs., l.c.l., works	lb.	.04	—
MNPT toner, kgs., works	lb.	3.25	—
Maroons in smaller pkgs., 5c. per lb. higher			
Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.00	—
smaller lots, works	lb.	2.02	—
Metallic, bbls., works	lb.	.02½	.02¾
Oxide (see Red, iron oxide).			
Persian gulf, bgs., works	lb.	.06¾	.07
Para toner, bbls	lb.	.85	.88
chlorinated, kgs	lb.	.93	1.03
concentrated alizarin lake, kgs., works	lb.	.80	—
Phloxin toner (see eosin toner).			
Phosphotungstic, rhodamine Y, kgs., works	lb.	4.45	—
Pink lake alizarin, bbls., works	lb.	.20	.25
Purple lake, kgs	lb.	1.35	—
Rose lake, alizarin, bbls., works	lb.	.25	.28
Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½	.05¾
l.c.l., ex dock	lb.	.05¾	.06
ex whse., New York	lb.	.06½	—
Red Spanish oxide, grade 2, bbls., c.l., ex dock	lb.	.05¼	.05⅛
l.c.l., ex dock	lb.	.05½	.05¾
ex whse., New York	lb.	.06¼	—
Toluidin toner, alizarin lake, kgs., works	lb.	1.35	—
Turkey, bbls., works	lb.	.14½	—
Tuscan, bbls., frt. equald	lb.	.24½	.25
Venetian, 15%, bgs., works	lb.	.0350	—
20%, bgs., works	lb.	.0360	—
25%, bgs., works	lb.	.0410	—
30%, bgs., works	lb.	.0440	—
35%, bgs., works	lb.	.0465	—
40%, bgs., works	lb.	.0490	—
Vermilion, Amer., bbls	lb.	.31½	—
Quicksilver, ctns	lb.	2.27	—
Red Precipitate, NF, powd., fib, dms	lb.	2.17	2.19
Red saunders wood, grd., bbls	lb.	.35	—
Resorcinol, tech., dms., works	lb.	.75	—
USP, cryst., dms., works	lb.	1.80	—
powd., dms., works	lb.	2.00	—
Rhatany root, bgs	lb.	.09	.10
Rhubarb root, whole, cs	lb.	.80	.95
powd., bbls	lb.	.85	1.05
Riboflavin, USP, bots	kilo.	125.00	—
95% bots	kilo.	118.75	—
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif	lb.	.79	—
Rochelle salt, gran., powd., bbls, 5,000 lbs.	lb.	.31½	—
smaller lots	lb.	.32	—
Rose flowers, pale, bls	lb.	.23	.24
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls.	lb.	.12	.12½
Portuguese, bls.	lb.	.07½	.08
Spanish, bls.	lb.	.08½	.09

New from Monsanto

SANTOPHEN 1

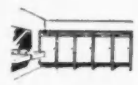
powerful, low-cost germicide

Santophen 1 — now available commercially from Monsanto — has distinct advantages over many present-day germicides.

It is highly toxic to bacteria and fungi . . . notably non-irritating in properly formulated use-dilutions . . . non-staining . . . noncorrosive to most metals . . . has a faint, agreeable odor . . . is nearly colorless.

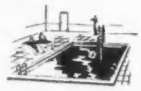
Furnished as an easy-to-handle flaked solid, Santophen 1 is offered by Monsanto at an attractive price. For complete information and samples, get in touch with any District Sales Office, or write MONSANTO CHEMICAL COMPANY, Desk A, Organic Chemicals Division, 1770 South Second Street, St. Louis 4, Missouri.

typical uses for SANTOPHEN 1 (o-Benzyl-p-chlorophenol, Technical)


Sanitizing rest rooms

Sterilizing hospital floors, walls and equipment

Disinfecting poultry and livestock shelters


Control of athlete's foot in locker rooms and around swimming pools

Send today for your copy of new Technical Bulletin O-51, "Santophen 1: For Use in Disinfectants."

Santophen: Reg. U. S. Pat. Off.

Physical Properties
Germicidal Activity
Fungicidal Activity
Toxicity
Typical Formulations
Preparation of Sodium Salt
Suggestions for Handling
Packing and Shipping

DISTRICT SALES OFFICES: New York, Chicago, Philadelphia, Boston, Cleveland, Detroit, Charlotte, Birmingham, Houston, Los Angeles, San Francisco, Seattle, Portland. In Canada: Monsanto (Canada) Limited, Montreal.

MONSANTO CHEMICALS — PLASTICS

MONSANTO CHEMICAL COMPANY
Desk A, Organic Chemicals Division
1770 South Second Street, St. Louis 4, Missouri

Please send me a copy of Technical Bulletin O-51 on Santophen 1.

Name _____ Title _____

Company _____

Address _____

City _____ State _____

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Rosin—Sodium Bisulphate

Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 5.00 - —
FF, dms., c.l., works 100 lbs. 6.50 - —
G, H, I, dms., c.l., works 100 lbs. 7.72 - —
K, dms., c.l., works 100 lbs. 7.72 - —
M, dms., c.l., works 100 lbs. 7.72 - —
N, dms., c.l., works 100 lbs. 7.80 - —
WG, dms., c.l., works 100 lbs. 7.85 - —
WW, dms., c.l., works 100 lbs. 8.06 - —
X, dms., c.l., works 100 lbs. 8.17 - —
Rotenone, cryst., bbls., works lb.18.00 -20.00
Powder (see Cube root).
Rottenstone, bgs., c.l., mines ton.36.00 - —
l.c.l., mines ton.43.00 - —
Rue herb, bls lb. .40 - .45
Rutin, 10 kilos gram. .16½- —
5 kilos gram. .17 - —
smaller lots gram. .17½- .21½

S

Sabadilla seed, powd., bbls lb. .40 - .45
activated ground with lime, bbls lb. .28 - .30
Saccharin, gran., soluble, 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.55 - —
smaller lots lb. 1.65 - 1.85
Safflower, Egyptian, bls lb. .95 - 1.00
Saffron, Mexican, bls lb. 1.25 - 1.40
Spanish, USP, tins lb.23.00 -25.00
Safrol, dms lb. .60 - .75
Sage, cyprus, bgs lb. .08 - .09
Dalmatian, bls lb. .24 - .24½
Greek, fancy, bls lb. .13½- .14
Spanish, bls lb. .13½- .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .08½- .08¾
Salicin, bots lb. No stocks.
crs. lb. No stocks.
Saligenin, ctns., works lb.14.00 -25.00
Salol, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher.
Salt, rock, paper bgs., c.l 100 lbs. .88 - —
burlap bgs 100 lbs. .98 - —
l.c.l., paper bgs 100 lbs. 1.09 - 1.12
burlap bgs 100 lbs. 1.19 - 1.22
Table, vacuum, common, fine, bgs., works, c.l 100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 - 1.32
Saltcake, dom., bulk, works ton.25.00 -26.00
Chrome (see Chrome cake).
Saltpeter cryst., bbls., 10 tons, 100 lbs.13.90 - —
smaller lots 100 lbs.14.15 -14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs.10.50 -11.00
powd., bbls., 20 tons 100 lbs.10.25 - —
smaller lots 100 lbs.11.50 -12.00
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, cryst., powd., crs kilo.190.00 -200.00
Saponin No. 1, crs lb. 2.45 - —
Sarsaparilla root, dom., bls lb. .40 - .45
Honduras, bls. lb. .40 - .45
Mexican, bls. lb. .28 - .32
Sassafras bark, ord., bls lb. .30 - .31
select, bls lb. .60 - .65
Savory, French, bls lb. .20 - .20½
Spanish, bls lb. .14 - .14½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, crs lb. 2.10 - 2.25
powd., crs lb. 2.20 - 2.30
Root, bgs lb. .13 - .14
Schaeffer's salt, bgs. lb. .60 - .67
Seidlitz mixture, bbls., 5,000 lbs lb. .27¾- —
smaller lots lb. .28¼- —
kegs, 5,000 lbs lb. .28¼- —
smaller lots lb. .28¾- —
Selenium, powd., crs., 10-lb. lots lb. 2.10 - —
cs., 1,000-lb lots lb. 2.00 - —
Senega root, bls lb. 1.82 - 1.85
Senna leaf, Alex., half-leaf, bls lb. .26 - .27
sifting, bgs lb. .22 - .23
Tinnevelly, No. 1, bls. lb. .18 - .24
No. 2, bls lb. .16 - .19
No. 3, bls. lb. .12 - .14
Pods, bls lb. .14 - .15
powdered, bls., bxs. lb. .16 - .22
Serpentaria root, bls. lb. 2.45 - 2.50
Sesame seed, Brazil, bgs., afloat lb. .16½- .17
Central Amer., natural, bgs. lb. .17½- .18
Chinese, hulled lb. .23 - .23½
choice, bgs. lb. .23 - .23½
Nicaragua, hulled lb. .29 - .29½
Salvadorean lb. .18 - .18¼
Turkish, yellow, recleaned lb. .16¾- .17
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .65½- —
bbls., 1,500-lb. lots lb. .66 - —
kgs., 1,500-lb. lots lb. .68 - —
refined, bgs., 1,500-lb. lots lb. .75½- —
bbls., 1,500-lb. lots lb. .76 - —
kgs., 1,500-lb. lots lb. .78 - —
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .70 - .71
No. 2, bgs lb. .68 - .69
Superfine, bgs., 10 bgs lb. .64 - .65
TN, bgs., 10 bgs lb. .62 - .63
Shellac in 1 to 9 bgs., 1c. more

Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton.20.00 -30.00
l.c.l., works ton.25.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.15.00 - —
l.c.l., works ton.20.00 - —
99½%, 140 mesh, bgs., c.l., works ton.10.00 - —
l.c.l., works ton.15.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .18½- .20½
Silver bullion, ingots, cs oz. .70 - —
Cyanide, fib. dms., 2,500-oz. lots, oz. .66 - —
1,000-oz. lots oz. .66¼- —
500-oz. lots oz. .66½- —
100-oz. lots oz. .66¾- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots oz. .47½- —
500-oz. lots oz. .48½- —
250-oz. lots oz. .48¾- —
USP granular silver nitrate, 2c. per oz. higher.
Silver Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, bots., dms., 1,000-oz lots. oz. .90 - —
Simaruba bark, bls. lb. .35 Nom.
Skullcap herb, Eastern, bls lb. .85 - .90
Western, bls. lb. .35 - .40
Skunk cabbage root, bls lb. .35 - .40
Slate flour, bgs., c.l., works ton.11.00 -12.00
l.c.l., ex whse ton.20.00 -60.00
Sloe berries, bgs lb. .33 - .40
Smalt, black, ctns lb. .11 - —
Blue, ctns lb. .16 - —
Snakeroot, Canada, bls. lb. .45 - .50
Soapbark, bls lb. .19 - .20
crushed, bls., bbls lb. .26 - .27
cut, foreign, bbls lb. .28 - .30
powd., bbls lb. .29 - .30
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points, zone 1. 100 lbs. 2.85 - —
2 100 lbs. 3.00 - —
3 100 lbs. 3.35 - —
4 100 lbs. 3.95 - —
bbls., c.l., works 100 lbs. 2.00 - —
l.c.l., stock points, zone 1. 100 lbs. 3.35 - —
2 100 lbs. 3.50 - —
3 100 lbs. 3.85 - —
4 100 lbs. 4.45 - —
bulk, c.l., works 100 lbs. 1.25 - —
light, 58%, paper bgs., c.l., works 100 lbs 1.40 - —
l.c.l., stock points, zone 1. 100 lbs. 2.75 - —
2 100 lbs. 2.90 - —
3 100 lbs. 3.25 - —
4 100 lbs. 3.85 - —
bbls., c.l., works 100 lbs. 1.90 - —
l.c.l., stock points, zone 1. 100 lbs. 3.25 - —
2 100 lbs. 3.40 - —
3 100 lbs. 3.75 - —
4 100 lbs. 4.35 - —
bulk, c.l., works 100 lbs. 1.15 - —

Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Caustic, flake, powd., 76%, dms., c.l., works 100 lbs. 3.45 - —
l.c.l., dlvd., zone 1 100 lbs. 5.80 - —
zone 2 100 lbs. 5.95 - —
zone 3 100 lbs. 6.30 - —
zone 4 100 lbs. 6.90 - —
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.50 - —
50% rayon type, tanks, works, dry basis 100 lbs. 2.40 - 2.50
solid, 76%, dms., c.l., works 100 lbs. 3.05 - —
l.c.l., dlvd., zone 1 100 lbs. 4.40 - —
zone 2 100 lbs. 4.55 - —
zone 3 100 lbs. 4.90 - —
zone 4 100 lbs. 5.60 - —

Prices f.o.b. stock points in zones indicated minimum quantity 500 lbs., for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.

Sal, bgs., c.l., ex car 100 lbs. 1.55 - —
l.c.l., bgs., ex whse 100 lbs. 1.75 - —
Sodium acetate, anhyd., dms., works lb. .10 - .11½
NF, cryst., bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
white, powd., dms., works, ton lots lb. 1.25 - —
smaller lots lb. 1.50 - 1.65
Alkylbenzene-sulphate, dms., wks., lb. .13 - —
Aluminate, for water treat., bgs., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.40 - —
other uses, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd. E lb. .31 - —
l.c.l., dlvd lb. .32 - —
Arsenate, dealers, dms., c.l., works lb. .12 - —
l.c.l., works lb. — - —
Arsenite, gray, dealers, dms., c.l., works lb. No stocks.
l.c.l., works lb. No stocks.
solution, dms., works gal. .70 - 1.00
Benzoate, tech., bbls., 2 tons lb. .39 - —
smaller lots lb. .40 - .41
USP, dms., 2 tons lb. .46 - —
smaller lots lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs. 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs. 2.60 - —
Bichromate, bgs., c.l., works lb. .10 - —
l.c.l., works lb. .10¼- .10¼
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., works, frt. equald. lb. .13¼- —
l.c.l., same basis lb. .13½- —
Bisulphate, bulk, c.l., works 100 lbs. 1.50 - —
dms., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.65 - —

The Bettmann Archive

Easy as knowing how...

Knowing how is simply the sum of experience, resources and imagination, put into the job of doing something better.

Niagara Alkali Company pioneered the electro-chemical industry in America. Niagara continues to extend the know-how gained in this pioneering work to the many users of Niagara Caustic Soda, Caustic Potash, Carbonate of Potash, EBG Liquid Chlorine, Paradichlorobenzene and Niagathal (Tetrachloro Phthalic Anhydride). May we serve you?

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, N.Y.

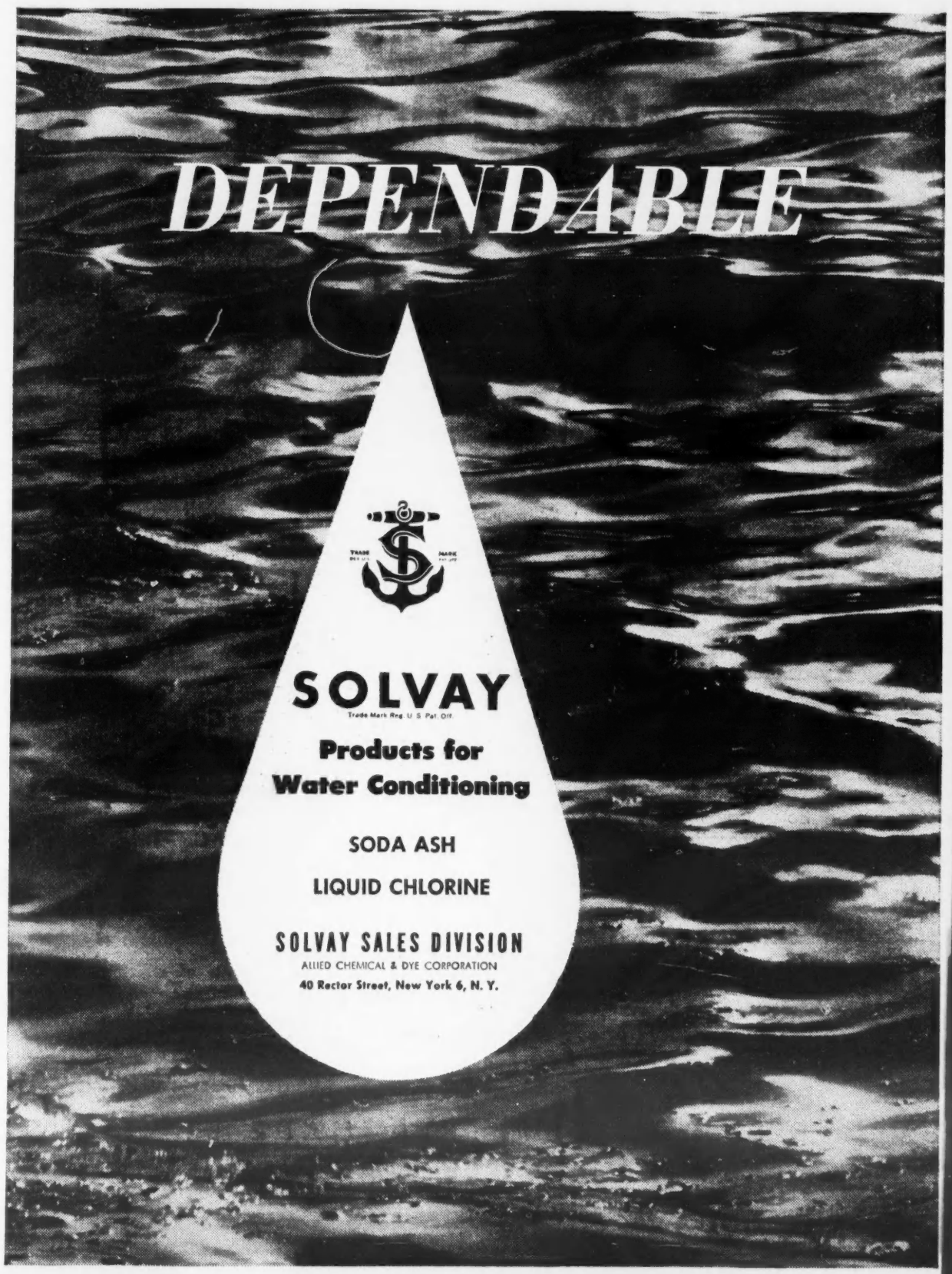
LIQUID CHLORINE • CAUSTIC POTASH • CARBONATE OF POTASH • PARADICHLOROBENZENE • CAUSTIC SODA • NIAGATHAL (TETRACHLORO PHTHALIC ANHYDRIDE)

Sodium bisulphite, powd., bbls., c.l., works 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 4.00 - —
solut. 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs. 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .33 - .34
Cacodylate, bots., dms lb. 9.00 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
Chlorate, cryst., dms., c.l., works, lb. .07½- —
l.c.l., works lb. 07¾- 08¼
powd., kgs., works lb. 09 - —
Chloride (see Salt).
Chlorite, tech., dms., works lb. 75 —
Chromate, bbls., dms., c.l., works, lb. .11⅝- —
l.c.l., works lb. .11¾- .11⅞
Citrate, USP VIII, bbls lb. .21½- —
dms. lb. .22½- .26½
USP XIII, gran., bbls lb. .28 - —
dms. lb. .29 - .33
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., ton lots, works lb. .75 - —
smaller lots, works lb. .85 - —
Cyanide, 96-98%, dms lb. .15 - .15½
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms., works lb. .14 - .15
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works lb. .10¾- —
95%, bbls., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Formate, bgs., c.l., dlvd 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Glutamate, monobasic, kgs. lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls., lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys lb. 1.00 - 1.15
50%, cbys. lb. .82 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld., lb. .22½- —
l.c.l., frt. alld lb. .23 - .27½
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 - —
Hypophosphite, 50-lb. lots, dms lb. .35 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald, 100 lbs. 2.90 3.00
l.c.l., same basis 100 lbs. 3.30 - —
pea cryst., bgs., metro area, 100 lbs. 3.30 - —
Soda, hyposulphite, crystals in bbls., 40¢ higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars lb. 2.72 2.83
Lactate, edible, 50%, dms., c.l., works lb. .18½- —
l.c.l., dms., works lb. .19 - —
tech., 50%, dms., c.l., works lb. .12½- .15
l.c.l., dms., works lb. .13 - .15¾
Mandelate, dms lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton 90.50 - —
l.c.l., works ton 108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher.
Metal, dms., works lb. .16½- —
Metanilate, bgs. lb. .57 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.00 - —
gran., bgs., c.l., works 100 lbs. 3.25 - —
l.c.l. 100 lbs. 4.35 - 4.60
bbls., c.l., works 100 lbs. 3.65 - —
l.c.l. 100 lbs. 4.75 - 5.00
Molybdate, anhyd., works lb. .51½- .63
Monohydrate, bgs., c.l., works 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.45 - —
Naphthionate, bbls lb. .60 - .65
Nitrate, crude, dom., bgs., c.l., works ton 43.50 - —
bulk, c.l., works lb. 45.00 - —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse. ton 51.50 - —
bulk, c.l., same basis ton 48.00 - —
90% bbls., c.l., works, frt. equald, lb. .06¾- —
West coast ports 100 lbs. 8.00 - 8.05
l.c.l., dlvd 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs. 5.55 - 7.10
hydrated, flake, bbls., c.l., works, 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 5.50 - 5.75
Oxalate, neut., bgs., works lb. .09½- .21½
Pentachlorophenate, briquets, bgs., works, frt. equald lb. .21½- —
powd., bgs., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .23 - —
kgs., l.c.l., works, frt equald, lb. .19 - —
Perborate, USP, tech., bbls., c.l., works lb. 17¾- —
l.c.l., works lb. .18¼- —
Peroxide, dms., c.l., dlvd, E. of Miss. lb. .16 - —
smaller lots, same basis lb. .19 - —
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works 100 lbs. 8.20 - —
cryst., bgs., c.l., works, 100 lbs. 3.35 - 3.50
l.c.l., works 100 lbs. 3.75 - 3.90
NF, dried, powd., dms., works, lb. .20 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs 12.45 - —
l.c.l., works 100 lbs. 12.85 - —
tribasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. No stocks.
l.c.l., same basis 100 lbs. No stocks.
cryst., bgs., c.l., works, frt. equald 100 lbs. 3.50 - —
l.c.l., same basis 100 lbs. 3.90 - —
Sodium phosphates in bbls., 40c. higher than bgs.
USP (see Sodium phosphate dibasic).
Phosphoaluminate, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.50 - 8.00
Prussiate, yellow, bgs lb. .12 - —
bbls. lb. .12¼- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 11.25 -13.00
l.c.l., same basis 100 lbs. 11.75 -13.50
ferric, dms., 10,000 lbs., works, lb. .22 - —
smaller lots works lb. .22½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.50 - 6.65
l.c.l. 100 lbs. 7.00 - 7.15
Ricinoleate, tech., bbls lb. No stocks.
Salicylate, dms lb. .57 - .60
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.95 - —
bbls., c.l., works 100 lbs. 2.45 - —
l.c.l., bgs., dlvd. zone 1 100 lbs. 3.45 - —
zone 2 100 lbs. 3.60 - —
zone 3 100 lbs. 3.85 - —
zone 4 100 lbs. 4.25 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash.

Sodium sesquisilicate, bbls., c.l., works 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 5.65
Silicate, 40°, turbid., dms., c.l., works 100 lbs. 1.00 - —
l.c.l., works 100 lbs. 1.25 - 1.35
tanks, works ton 16.00 -17.00
52° turbid., dms., c.l., works 100 lbs. 1.80 - —
l.c.l., works 100 lbs. 2.05 - 2.15
tanks, works ton 32.00 - —
Silicofluoride, bbls., c.l., works lb. .05 - —
l.c.l., works lb. .05½- .06
Stannate, dms., works, frt. alld. E lb. .58 .633
Stearate, bbls., works lb. .19 .24
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried gran., dms., lb. .14½- —
tech., anhyd., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls lb. .15 .15½
Sulphide, cryst., bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 3.90 - —
flake, bbls., c.l., works 100 lbs. 4.50 - 6.00
l.c.l., works 100 lbs. 4.75 - 6.40
fused, bbls., c.l., works 100 lbs. 4.00 5.75
l.c.l., works 100 lbs. 5.25 6.50
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 3.75
crystals, bgs., c.l., works 100 lbs. 3.35 - —
l.c.l., works 100 lbs. 3.75 - —
bbls., c.l., works 100 lbs. 3.40 - —
l.c.l., works 100 lbs. 3.80 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs 7.00 - —
Sulphocarbolate, USP IX, gran., bbls., dms lb. .33 - .34
powd., bbls lb. .36 - .37
Sulphocyanide, CP (see Sodium thiocyanate).

Sodium sulphoricinoleate, bbls lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .03 - —
liquid, 45%, tanks, works ton 95.00 - —
Thiocyanate, CP, dms lb. .53 - .65
tech., dms., works lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12
Titanate, etns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13⅛
Tripolyphosphate, bgs., c.l., works, frt. equald lb. .07¼- —
l.c.l. lb. .07¾- —
Tungstate, tech., bgs lb. 1.30 - 1.35
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .23½- .28½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .27 .30
high-flash, tanks, works gal. .27 - .30
petroleum, 100°F. flash, tanks, Baytown, Tex gal. .27 - —
150 F. flash, tanks, same basis gal. .27 - —

Sorbitol, com'l, dms., c.l., works, lb. .25½- —
l.c.l., works lb. .26 - —
crystalline, dms., works lb. .50 - —
solution, aqueous, dms., c.l., wks., lb. .1855- —
ton lots, works lb. .196 - —
Soybean meal, 41% bulk, Decatur, ton 68.00 -69.00
protein, chemically isolated, 40,000 lbs., works lb. .22 - —
20,000 lbs., works lb. .22¼- —
smaller lots, works lb. .22½- .26
mechanically refined, bgs., 40,000 lbs., works lb. .061 - —
20,000 lbs., works lb. .063 - —
smaller lots, works lb. .065 - —
Spikenard root, bls. lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine, leaves, bls lb. 40 - 45
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.41 - —
Chicago 100 lbs. 4.82 - —
l.c.l. 100 lbs. 5.56 - —
powd., paper bgs., c.l. 100 lbs. 5.52 - —
Chicago 100 lbs. 4.93 - —
l.c.l. 100 lbs. 5.67 - —
Prices for corn starch in cotton bags, 17c. higher.



Starch, Potato—Toluol, Coaltar

Starch, potato, dom., bgs., c.l. lb. .06 - —
l.c.l. lb. .07½- .07¾
Rice, bgs., c.l. lb. No stocks.
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0631- .0730
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .09
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .20 - .22
Seed, bgs lb. .20 - .21
Streptomycin, hospitals gram. 1.28 - —
wholesalers gram. 1.03 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls lb. .14 - .16
98%, bbls lb. .23 - .25
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 - —
Lactate, dms lb. No stocks.
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .38 - .40
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85
Strophanthin, bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.50 Nom.
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms., works lb. 9.00 - —
Sulphadiazin sodium, USP, dms., works lb.10.50 - —
Sulphaguanidin, USP, dms., works. lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works lb. 9.00 - —
Sulphamerazin, sodium, USP, dms., works lb.10.50 - —
Sulphanilamide, USP, powd., bots., works lb. 1.05 - 1.10
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamide, Acetyl, dms., works. lb. 4.25 - —
Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.00 - 3.15
Sulphathiazole sodium, USP, dms., works lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs lb. discontinued
Sulphonmethane, NF, kgs lb. discontinued
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
Sulphur, flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs. lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works. 100 lbs. 3.25 - —
l.c.l., works 100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.25 - —
l.c.l., bgs., works 100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works. lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., c.l., works lb. .07¼- —
l.c.l., works lb. .08¼- —
Sulphur dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0635- —
tanks, works lb. .045 - .0535
refrigeration, cyls., l.c.l., wks. lb. .16 - —
Iodide, bots., jars lb. 3.90 - 4.11
Sumac bark, 28%, grd., bgs., ex dock ton.85.00 - —
Extract, No. 1, bbls lb. .10½- —
No. 2, bbls lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaves, 30%, bgs., ex dock ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Balto. unit-ton. .76 - .77
Superphosphate, triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls. lb. 1.50 - 1.70

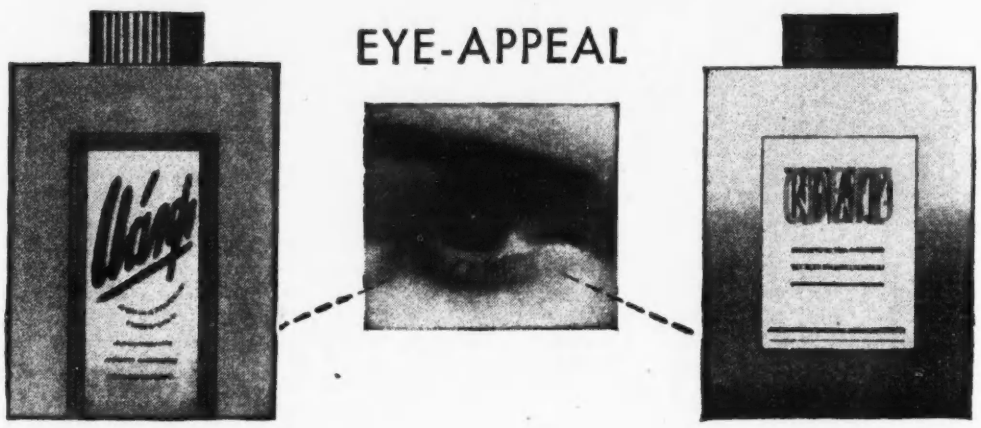
T

Talc, dom., ordinary, grd., c.l., New York, works ton.21.00 - —
l.c.l., works ton.22.50 -24.50
Calif., bgs., c.l., works ton.22.00 -30.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, ground, bgs., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
88.95-99.95%, grd., bgs., c.l., works ton.21.00 - —
l.c.l., works ton.24.50 - —
98-99.5%, grd., bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.27.00 -32.00
imp., Canada, grd., bgs., c.l. ton.35.00 -45.00
Tallow, inedible, extra, loose lb. .10¾- —
fancy, loose lb. .11 - —
special, loose lb. .10 - —
sulphonated, 25%, dms lb. .06½- .07
50%, dms. lb. .10½- .11
Tamarinds, bbls. lb. .12 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 9.00 - —
Chicago unit-ton. 9.25 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls. lb. .20 - .30
Tapioca flour, high grade, bgs lb. .10½- .10¾
medium grades, bgs. lb. .06 - .09¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, ret. dms., c.l., works gal. .49 - —
l.c.l., works gal. .52 - —
tanks, works gal. .43 - —
25-28%, dms., c.l., works gal. .60 - —
l.c.l., works gal. .63 - —
tanks, works gal. .54 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs. lb. .95 - 1.00
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .49 - —
dms. lb. .50 - .54
USP, powd., bbls., dms., kgs lb. .54 - .57
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25½
USP, cryst., bbls., dms lb. .90 - .95
powd., bbls., dms lb. .95 - 1.00
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .43 - .97
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .65 - 1.10
prime, cns., dms lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20 - .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs lb. 6.00 - 6.25
Theophylline, bots., kgs lb. 3.00 - 3.50
Thiamine hydrochloride, dms., 100 grams kilo.160.00 - —
Thiocarbanilide, dms lb. .24 - —
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 5.60
Thiourea, tech., dms., works lb. .40 - —
Thorium nitrate, cs., works lb. 3.50 - —
Thyme, French, bgs lb. .17½- .18
futures, bgs lb. .14¾- .15
Spanish, bls lb. .09½- .10
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms. lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .97 - .98
Crystals, hydrous, bgs., bbls., works lb. .71½- —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .06¼- —
l.c.l., works lb. .06½- —
milled, bgs., c.l., works lb. .06½- —
l.c.l., works lb. .06¾- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E lb. .22 - .22½
Hydride, cns., works lb. 7.00 - 8.00
Pigment, calcium-rutile base, bgs., c.l., dlvd. lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.

Tetrachloride, CP, 55-gal. dms. lb. .54½- .55
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns lb. 2.90 - 3.50
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethelehem, Pa. gal. .24½- —
Birmingham, Ala. gal. .23¼- —
Chicago district gal. .26½- —
Cleveland district gal. .26 - —
Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Philadelphia, Pa. gal. .29 - —
Pittsburgh district gal. .25 - —
Sparrows Point, Md. gal. .24½- —

The Dividing Line Between Sale and No Sale



Which side of the line is your product on?

That important first impression of your product is formed by its appearance. If it has "settled out," lacks even distribution of color and body, women hesitate to buy it. It *looks* like poor quality . . . because it has no "eye appeal."

So why not give your product the "quality look" that sells? Use Kraystay, a new development in vegetable stabilizers. With Kraystay, you're sure of even distribution of color and body that lasts until the product is all used.

In varying proportions, this remarkable new vegetable product will show unusual stabilizing, emulsifying, thickening, gelling or suspending effects. Adaptable to many foods and pharmaceuticals of medium or low acidity.

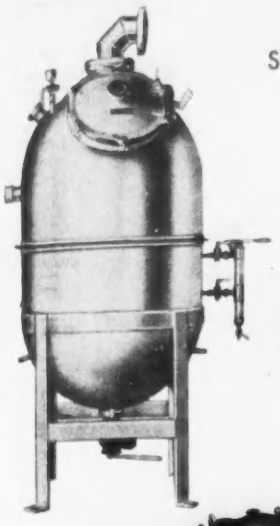
Find out more about Kraystay. Call or write today, stating the nature of your product. Or, if you wish to submit your formula, Kraft technicians will be glad to assist you in the application of Kraystay to it. Kraft Foods Company, Department OP-1, 500 Peshtigo Court, Chicago 90, Illinois.

GELOSE FROM THE SEA! The clear, pure vegetable gelose used in the manufacture of Kraystay comes from these minute fronds of carrageen (edible Irish moss). Taken from the clean, cold ocean floor, they form the basis of this consistently efficient stabilizer whose uniform high quality is guarded by modern, scientific laboratory controls.

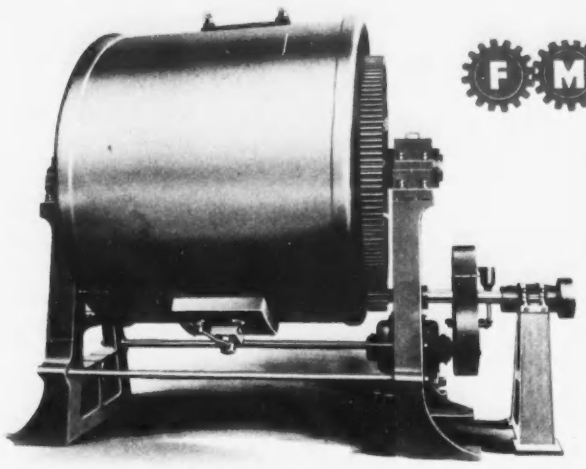
KRAYSTAY MADE BY KRAFT

A NEW DEVELOPMENT IN VEGETABLE STABILIZERS

ADVERTISEMENT — This entire page is paid advertisement.



STAINLESS VACUUM PANS, KETTLES, TANKS



PEBBLE and BALL MILLS

HEAVY DUTY JACKETED MIXERS

STAINLESS PAN DRYERS

SELECTED OFFERINGS from your FIRST Source for GOOD EQUIPMENT

3 Devine Vacuum Shelf Dryers, No. 11, 40" x 43".

3 Tubular Condensers for above available if desired.

8 Single and Double Drum Atmospheric Dryers, from 2' x 3' to 5' x 12'

2 Bartlett & Snow Stainless Vac. Pan Dryers: 7' 10" x 2' 11".

1 Buflovak Nickel Rotary Vac. Dryer, 5' x 30'.

2 Struthers Wells Stainless Atmospheric Drum Dryers, 5' x 4' and 5' x 10'.

4 Apron Type conveyor Dryers by Procter & Schwartz, Sargent others; up to 72'; single and multiple pass.

6 Truck and Tray Dryers, steam or electrically heated several sizes.

4 Louisville Steam Tube Dryers: 3' x 20'; 4' 6" x 25'; 6' x 25' and 5' 6" x 30'.

2 Huhn Steam Tube Dryers; 24" x 11' 6" and 30" x 10'.

5 Hess and Hersey Dryers up to 23'.

1 Brand New Girdler Votator in stainless; 2 cylinder, 4".

1 A. T. & M. 40" Stainless Centrifugal Imperforate basket, bottom discharge; 40 HP motor.

3 Monel and Stainless 30" Stainless Centrifugal Extractors.

1 Bird 48" Solid Bowl Steel Centrifugal, suspended type plow and solid bottom discharge.

1 New Triple Effect Long Tube Copper Evaporator, 3100 sq. ft. Total number of tubes 336.

1 Bird Continuous Centrifugal Filter, 36" x 50".

8 Good used Swenson, Devine and Buffalo single, double and triple effect Evaporators in copper tinned, cast iron with heresite lining and steel accessories included.

1 Buffalo Stainless Extractor, single, effect, 7' 13", 900 sq. ft. forced circulation, ext. calandria type.

4 Pfaudler Glass Lined Vacuum Kettles, 500 gal., 2,500 gal. Jktd. or Unjktd. with agitators.

1 Stainless 550 gal. Jacketed and agitated Reactor with Reflux and Tubular Condenser.

15 Autoclaves and Reactors in Cast Iron, Steel, Stainless some with agitators and jackets.

3 Dopp 200 gal. Jacketed Kettles.

1 Doppley 700 Gal. Jacketed and Agitated Pressure Kettles.

1 Aluminum 1300 Gal. Jacketed and agitated Still.

50 Shriver and Sperry Filter Presses, all sizes.

Sweetland Filters, Nos. 5, 10 and 12.

12 Oliver, Feinc, Kelly Filters from Lab. size 11' 6" to 18'; specifications on request.

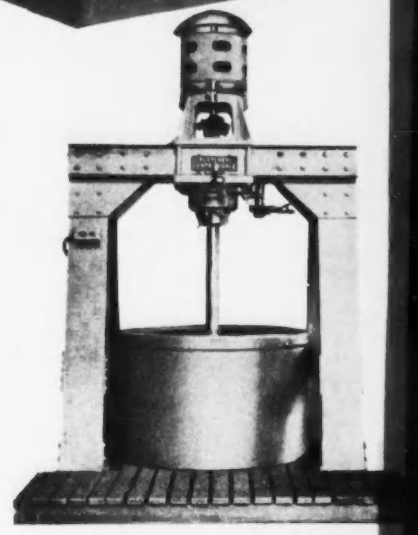
4 Louisville Dewatering Presses, Model 3A.

30 Colloid Mills, Homogenizers, Viscolizers by Premier, Eppenbach, Manton Gaulin, Marco Flowmaster, Cherry Burrell, Union, Charlotte from ½ HP up to 50 HP.

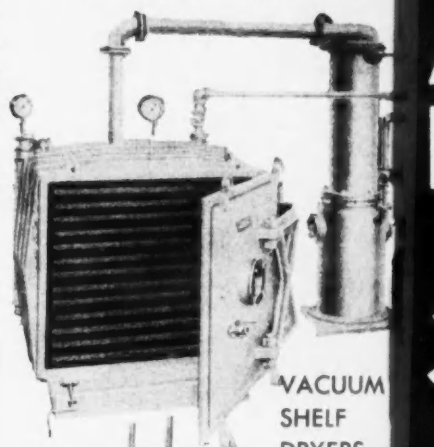
RIBBON TYPE DRY MIXERS

F M C

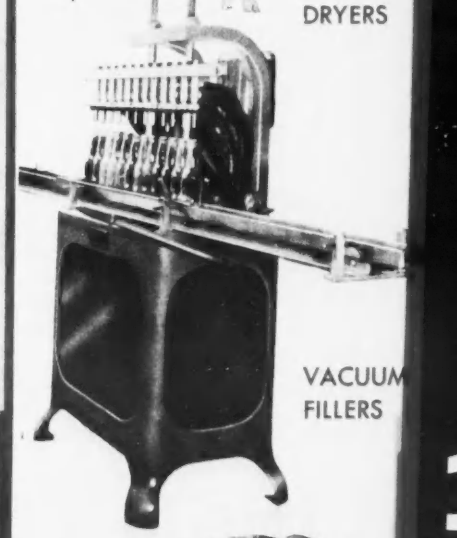
TABLET PRESSES and PREFORMERS



CENTRIFUGAL EXTRACTORS



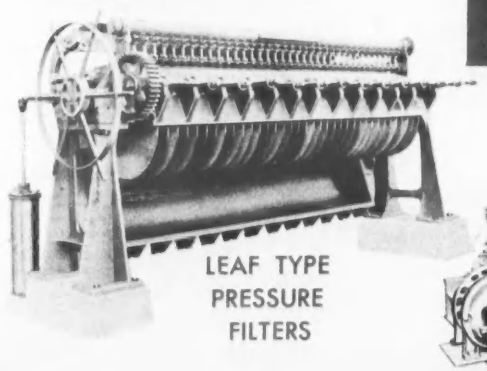
VACUUM SHELF DRYERS



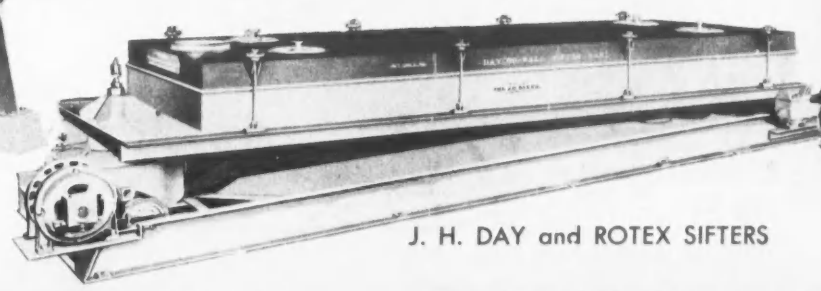
VACUUM FILLERS

FIRST MACHINERY CORP.

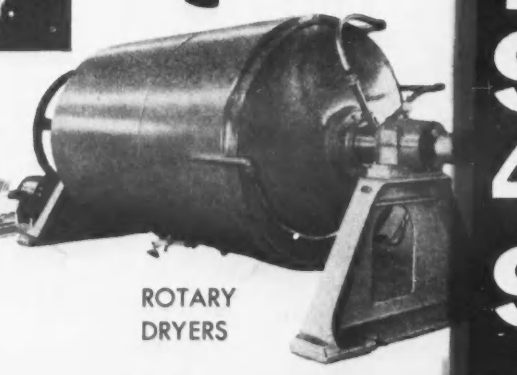
157 HUDSON ST. WORTH 4-5900 NEW YORK 13, N. Y.



LEAF TYPE PRESSURE FILTERS



J. H. DAY and ROTEX SIFTERS

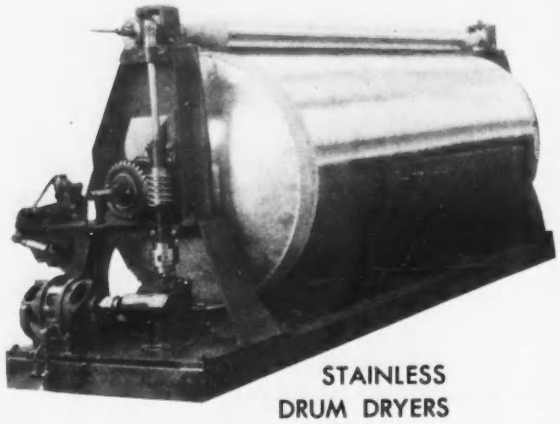


ROTARY DRYERS

ADVERTISEMENT — This entire page is paid advertisement.

MULTI-EFFECT EVAPORATORS

STAINLESS LANCASTER MIXERS



STAINLESS DRUM DRYERS

GUARANTEED PROCESS EQUIPMENT READY FOR IMMEDIATE SHIPMENT

25 Hammermills & Grinders by Williams, Jeffrey, Gruendler, Stedman, Raymond, Mikro, others.

4 Mikro Pulverizers, Bantam to No. 4's with motors.

15 Fitzpatrick Comminutors, Model D, in stainless.

1 Raymond 5 Roll High Side Mill, 75 HP.

6 Tube and Rod Mills up to 21'.

5 Continuous Ball Mills, 3' x 3' up to Hardinge Conical Mill, 8' x 30".

7 Pebble and Ball Mills, 24" x 30", 36" x 36", 36" x 48", 6' x 5' and 6' x 8'.

10 Roller Mills Lab. size to 16" x 40", standard makes.

3 Lancaster Type EBG4 Counter Current Stainless Batch Mixers.

2 Spencer Turbo Compressors in Stainless 1875 CFM.

1 Readco Stainless Double Arm Mixer, 142 Gal. with 20 HP motor.

50 Heavy Duty Horizontal Jktd. Mixers, with double arms, sigma or naben; geared both ends, tilting; 100 gals. working.

3 Baker-Perkins Jacketed Mixers, 10 gal, 50 gal, and 75 gal.

8 New and Rebuilt Tumbling Type Dry Mixers by Patterson, MacLellan, Gemco and others; all sizes.

10 J. H. Day Ro-Ball Sifters No. 82, two separations, screen size 40" x 120", with 3 HP motors.

6 Tyler Hummer Screens, multiple separations, state size and type.

40 Tablet Machines and Preforming Presses by Stokes, Colton and Kux up to 50 ton; state requirements; single punch and rotary models.

14 Rubber Mills by Farrel- Birmingham, Thropp, Erie and others from 24" to 84" some with motors and accessories.

4 Royle and National Extruders up to No. 4.

Large Stock of Packaging Equipment including:

Dry Powder Fillers by Stokes & Smith, Triangle, Pneumatic, Carter, Whiz, semi and fully automatic.

Labelling equipment by World, Ermold, Pneumatic, Standard Knapp, Burt . . . for all types of containers.

Automatic Gluers, Sealers, cartoners, wrappers, etc.

Liquid Fillers of every type; tube and jar Fillers, Closers in all standard makes.

COMPLETE PLANTS FOR SALE: ready to operate; for

Rubber and Plastics
Brake Lining
Soaps—Detergents
Chemicals & Acids
Oil Extraction
Brewery—Distillery
Shoe Polishes
Vegetables—Fruits
Preserves—Juices
Latex Dipping

Send for Special Bulletin of Industry Listed above.

FIRST MACHINERY CORP.

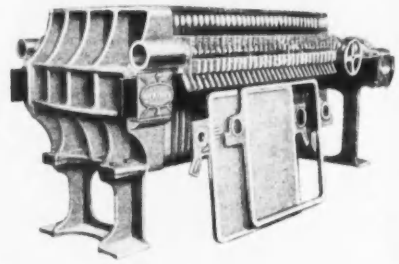
157 HUDSON ST. WORTH 4-5900 NEW YORK 13, N. Y.

ROTARY SYPHON FILLERS

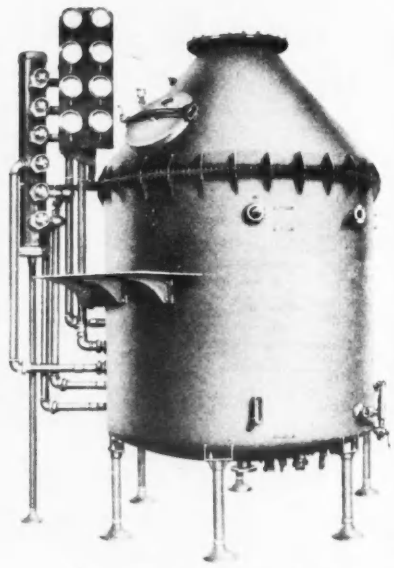
F M C

FITZPATRICK COMMINUTORS

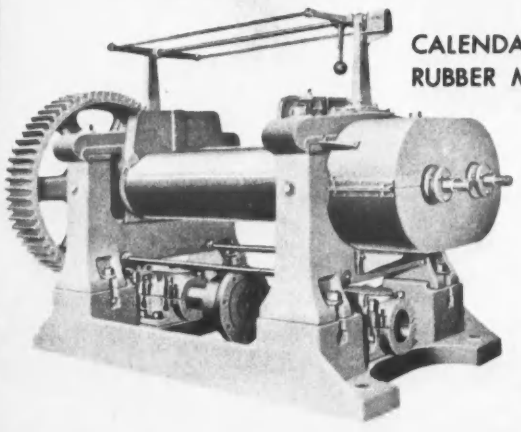
ROLLER MILLS



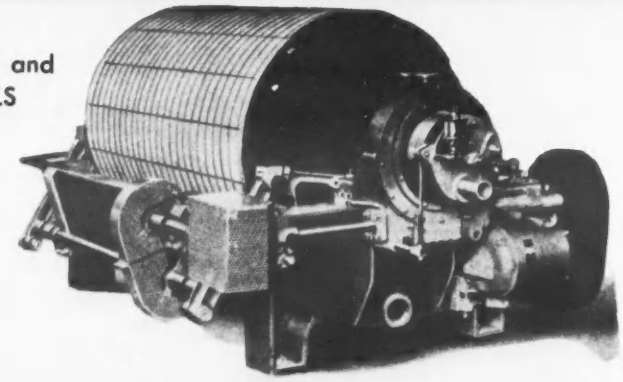
FILTER PRESSES



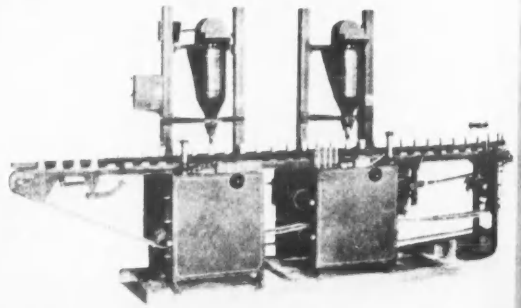
PFAUDLER GLASS LINED VACUUM PANS



CALENDARS and RUBBER MILLS



ROTARY VACUUM FILTERS



SEMI-and AUTOMATIC POWDER FILLERS

Toluol, coal tar, industrial and nitration, tanks, works, St. Louis, Mo. gal. .28 - —
Syracuse, N. Y. gal. .27 - —
Terre Haute, Ind. gal. .28 - —
Woodward, Ala. gal. .25 - —
Wyandotte, Mich. gal. .27 - —
Youngstown, Ohio gal. .23½ - .25
tanks, East, frt. equald gal. .28 - —

Prices on 2° toluol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D.C., 30c. (3c.); Detroit, 30c. (1 3/10c.); E. Tenn., 30c. (4½c.); La., 30c. (3¾c.); N. C., 30c. (4½c.); N. E. 30c. (2¼c.); N. J., 30c.; N. Y., 30c. (3c.); Pa., 30c. 3c.); S. C., 30c. (3¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (3c.).

Tonga, 50% bark and vine, bls. lb. .80 - .95
Tonka beans, Angostura, cks. lb. 1.75 - 1.80
Brazilian, cs. lb. .85 - .90
Surinam, cs. lb. .85 - .90
Tolaquine, USP, 100-oz. lots oz. .52 — —
Triacetin, dms., works lb. .40½ - —
Tributyl citrate, dms. lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld. lb. .50½ - —
l.c.l. lb. .57½ - —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½ - —
Trichloroethane, dms., c.l., wks. lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10 - .10½
Zone 2 lb. .10 - .10½
Zone 3 lb. .10½ - .11
Trichloroethylene, tanks, zone 4 lb. .10½ - .11

Trichloroethylene dm., c.l., prices ½c. higher l.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, coaltar, dms., c.l., divd lb. .43 — —
l.c.l., divd lb. .43½ - —
tanks, divd lb. .41½ - .42
petroleum, dms., c.l., divd lb. .42½ - .43
l.c.l., divd lb. .43 - .43½
tanks, divd lb. .41½ - 42
Triethanolamine, dms., c.l., frt. alld., E lb. .22½ - —
l.c.l., same basis lb. .23½ - —
smaller containers lb. .24½ - —
tanks, same basis lb. .21 - —
Triethyl citrate, dms. lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100% lb. .29½ - .39½
25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .39½ - —
tanks, works, basis 100% lb. .35 - —
Tripentaerythritol, bgs., l.c.l., works lb. .37 - .39
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works lb. .0175 - —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane—d.l., fib. cins., works kilo. 240.00 - 265.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 — —
Oxide, kgs., works lb. 2.85 - —
Turmeric root, Alleppey, bls. lb. .36 Nom.
East Indian lb. .17½ - .18½
Madras, bgs. lb. .22 - .22½
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .50 - —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .53
N. Y. whse gal. .55 - —
steam-dist., dms. incl., c.l., works gal. .53 - —
l.c.l., ex whse., NYC gal. .64 - —
tanks, works gal. .41 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs. lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04¼ - —
l.c.l., works lb. .04¼ - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 89.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton. 98.00 - —
42% N, paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton. 93.00 - —
40 tons, frt. alld., Colo., Mont., Wyo., and west ton. 102.00 — —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton. 100.00 - —
C and D grades, same basis, ton. 98.50 - —
Uva ursi leaves, bls. lb. .11 - .12

V

Valerian root, Belgian, NF, bls. lb. .37 - .40
Indian, bls. lb. .32 - .34
Valonia beards, bgs., ex dock ton. 90.00 Nom.
Cups, bgs., ex dock ton. 69.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 — —
tech., dms., works lb. 1.20 — —
Vanilla beans, Boarbon, tins lb. 5.25 - 5.50
Mexican, cuts, tins lb. 4.50 - 4.75
whole, tins lb. 5.00 - 6.00
Tahiti, tins lb. 3.00 - 3.25
Vanillin, ex eugenol, tins, 25 lbs. lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs. lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½ - .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)
Vinyloyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill. units. .04 - —
1 billion USP units mill. units. .05 - —
100 million USP units mill. units. .07 - —
Vitamins, A concentrate, dms., wks. mill. units. .36 - 40
B, (see Thiamine hydrochloride).
B, (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
B, (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D, (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide)
H (see Biotin).
Violet, methyl toner (see M).
V.M.P. naphtha (see Petroleum naphtha).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls. lb. 1.80 - 1.85
Tree bark, bls lb. .55 - 75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 83.00 - —
Wattle bark, merchantable, bgs., ex dock ton. 80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½ - —
tanks, works lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09½ - .09½
S. Afr., 62% tannin, ex dock, duty extra lb. .09½ - .09½
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs lb. .52 - .53
Bees, bleached, USP, white, bricks, cs lb. .70 - .73
slabs, bgs. lb. .68 - .69
crude, African, bgs lb. .55 - .57
Western hemisphere, bgs lb. .55 - .57
refined, yellow, bricks, cs lb. .61 - .63
slabs, bgs lb. .60 - .62
Candelilla, crude, bgs. lb. .66 - .67
refined, bgs. lb. .69 - .70

Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, No. 3, bgs., ton lots lb. .75 Nom.
North Country, No. 2, ton lots lb. .84 Nom.
No. 3, bgs., ton lots lb. .80 - .81
refined, bgs., ton lots lb. .85 - .86
yellow, No. 1, bgs., ton lots lb. 1.15 - 1.16
No. 2 lb. 1.13 - 1.14

Powdered carnauba price differentials same as powdered candelilla.

Ceresin, dom., 132°-136° m.p., bgs. lb. .16 - .16½
138°-140° m.p., bgs. lb. .18 - .18½
158°-162° m.p., bgs. lb. .22 - .23
Japan, bgs lb. .66 - .67

Toluol, Coaltar—White Pine Bark

Wax, microcrystalline, 170°-175° m.p., ASTM, amber, cins., 30 tons yearly contract, group 3, works lb. .14¾ - —
smaller lots, same basis lb. .15 - .16
black, cins., 30 tons, same basis lb. .13¼ - —
smaller lots, same basis lb. .13½ - .14½
white, cins., 30 tons same basis lb. .25¾ - —
smaller lots, same basis lb. .26 - .27
190°-195° m.p., ASTM, amber, cins., 30 tons, same basis. lb. .21¼ - —
190°-195° m.p., ASTM, black, cins., 30 tons, same basis lb. .19¾ - —
smaller lots, same basis lb. .20 - .21
white, cins., 30 tons, same basis lb. .34¼ - —
smaller lots, same basis lb. .34½ - .35½
Montan, crude, bgs. lb. .33 - .34
Ouricury, crude, bgs., ton lots lb. .75 - .77
refined, bgs., ton lots lb. .82 - .84
Ozokerite, fabricated, black, 189-190 m.p., bgs lb. .26 - .28
132-183 m.p., bgs lb. .31 - .33
171-172 m.p., bgs lb. .27 - .29
white, 178-183 m.p., bgs lb. .33½ - .34½
170-172 m.p., bgs lb. .28¾ - .29¾
yellow, 180-190 m.p., bgs lb. .48 - .50
182-183 m.p., bgs lb. .43 - .45
178-183 m.p., bgs lb. .26½ - .27½
170-172 m.p., bgs lb. .23¾ - .25
Spermaceti, blocks, cs lb. .39 - .40
cake, cs. lb. .40 - .41
White lead (see Lead, white).
White pine bark, rossed, bls. lb. .17 - .30

FROM SHELL CHEMICAL...

an increased supply of

$CH_3-C(=O)-CH_2-CH_3$

Methyl Ethyl Ketone

To help meet the needs of industry, Shell Chemical has recently placed "on-stream" at Houston, Texas, its third MEK plant. With this phase of its postwar expansion completed, one more important step has been taken toward providing industry with adequate supplies of high quality organic chemical products.

MEK has been found to be outstanding as an active solvent for nitrocellulose lacquers, as well as for fabric and surface coatings based on the various vinyl resins. It is also successfully used in the manufacture of adhesives and cements which utilize Buna-N and neoprene rubber.

Other important products in which MEK finds application are can coatings, paint and varnish removers, rubber chemicals and printing inks.

LACQUER SOLVENT PROPERTIES

Dilution Ratio	
Toluene	4.4
Aromatic Petroleum Naphtha	1.4
Aliphatic Petroleum Naphtha	0.9
Viscosity (8% RS ½ second Nitrocellulose solution at 25°C)	10 centipoises
Blush resistance (% relative humidity at 80°F)	45%
Rate of evaporation (normal butyl acetate = 1.0)	4.6

A letterhead request to any of the Shell Chemical offices listed below will bring you technical literature and a sample.

Among the many other Shell Chemical products are Methyl Isobutyl Ketone, Methyl Isobutyl Carbinol and Tertiary Butyl Alcohol

SHELL CHEMICAL CORPORATION

Eastern Division
500 Fifth Avenue, New York 18

Western Division
100 Bush Street, San Francisco 6

Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

White Precipitate—Zircon

White precipitate, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, ogs., 40 tons St. Louis, works ton.11.00 - —
40 tons, N. Y. whse.....ton.19.00 - —
smaller lots, St. Louis, works ton.13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l ton.14.50 -27.50
200 mesh, bgs., c.l ton. No prices
90% 200 mesh, bgs., c.l ton No prices.
water-floated, extra gilders, bgs., c.l ton.14.50 - —
gilders, bgs., c.l.....ton. No prices.
putty grade, bgs., c.l ton.13.00 - —
surface treated, bgs., c.l., Ohio works ton.30.00 —
Paris white, bgs., c.l. .....ton.25.00 -31.00
l.c.l. .....ton.25.00 -29.00
Precipitated, bgs., c.l .....ton.18.00 -20.00
l.c.l. .....ton.22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls ..... lb. No prices.
thin, natural, bls..... lb. .16 - .17
rossed, bls..... lb. .24 - .25
Wild indigo root, bls..... lb. .30 - .31
Wild yam root, bls. ..... lb. .16 - .17
Witch hazel leaves, bls..... lb. .14 - .15
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis..... ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis..... ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis..... ton.50.00 -55.00
Woodflour in bgs. extra, returnable.

Woolfat (see Lanolin).
Wormseed, American, bgs.....lb. .15 - .16
Levant, bgs.....lb. 4.15 - 4.25
Wormwood, bls.....lb. .40 - .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald lb. .21¾- —
l.c.l., same basis..... lb. .22¼- —
tanks, same basis..... lb. .21 - —
45°, dms., l.c.l., frt. equald.....lb. .24 - —
fractions, ret. dms., c.l., same basis..gal. 1.36 - —
l.c.l., same basis..... gal. 1.59 - —
tanks, same basis..... gal. 1.50 - —
Xylidins, mixed, dms..... lb. .45 - .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa..... gal. .26 - —
Birmingham, Ala..... gal. .23¼- —
Chicago district..... gal. .26½- —
Cleveland district..... gal. .26 - —
Dangerfield, Tex..... gal. .27 - —
Hamilton, Ohio..... gal. .25 - —
Johnstown, Pa..... gal. .24 - —
Lackawanna, N. Y..... gal. .24 - —
Pittsburgh district..... gal. .23 - —
Sparrows Point, Md.....gal. .26 - —
St. Louis, Mo..... gal. .28 - —
Syracuse, N. Y..... gal. .27 - —
Terre Haute, Ind..... gal. .28 - —
Woodward, Ala..... gal. .25 - —
Wyandotte, Mich..... gal. .27 - —
Youngstown, Ohio..... gal. .23½- .25
Xylol, coaltar, industrial, tanks, works, East, frt. equald..gal. .28 - —

Prices on 3 to 10° xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses) are:—Ark., 30c. (3¾c.); Chicago, 30c. (2¾c.); Del.-Md.-D. C., 30c. (3c.); Detroit, 30c. (1 8/10c.); E. Tenn., 30c. (4½c.); La., 30c. (3¾c.); N. C., 30c. (4¼c.); N. E., 30c. (2¼c.); N. J., 30c.; N. Y., 30c. (3c.); Pa., 30c. (3c.); S. C., 30c. (5¼c.); Va., 30c. (2¾c.); W. Tenn., 30c. (3¾c.), and W. Va., 30c. (3c.).

Y

Yara yara, cns. .....lb. 2.10 - 2.45
Yeast brewer's dry, 50 B units, per gram, 100 lb. dms lb. .46 - —
90 B units, per gram, 100 lb. dms lb. .51 - —
200 B units, per gram, 100 lb. dms lb. .55 - —
300 B units, per gram, 100 lb. dms lb. .59 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, bbls., dlvd.....lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.55 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies .....lb. .95 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.

Yellow, chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .31½- —

Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd, Pac. Coast: for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, bbls., same basis as chrome..lb. 1.60 - 1.70
Primrose, bbls., same basis ..lb. 1.90 - 2.10
Iron oxide natural, bgs., c.l., works lb. .01¾- .02¾
l.c.l., works ..... lb. .01¾- .03¾
French type, bgs., c.l..... lb. .04½- —
l.c.l. ..... lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth. bgs., c.l. works .... lb. .09 - —
l.c.l. works ..... lb. .09¼- —
Yellow, mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots ..... lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼- .02¾
Zinc, bots. same basis as chrome lb. .23 - —
Yellow dock root, bls..... lb. .25 - .27
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls..... lb. .35 - .36
Yohimbine hydrochloride vls.... oz. 3.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works.....lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dms .. lb. .47 - —
NF, dms ..... lb. .42 - —
Arsenite, bgs., c.l., frt. alld. E of Rockies lb. No stocks.
l.c.l., same basis ..... lb. No stocks.
Borate, bgs., c.l., ship't pt., frt. alld., E lb. .17 - —
frt. alld. Pac Coast .. lb. .19 - —
l.c.l., ship't pt., frt. alld. E lb. .17½- —
frt. alld. Pac Coast .. lb. .20¾- —
Carbonate, tech., rubber makers, bbls., works lb. .10¾- —
precip., powd., dms .. lb. .26 - —
Purified precip., dms ..... lb. .37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 6.75 - —
l.c.l., works ..... 100 lbs. 7.15 - —
gran., bbls., c.l., works 100 lbs. 7.50 - —
l.c.l., works ..... 100 lbs. 7.90 - —
solution, 50%, dms., c.l., works. lb. .039 - —
l.c.l., works..... lb. .045 - —
tanks, works ..... lb. .0325- —
NF, gran., dms ..... lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works ..... lo. .39 - —
Diethylditniocarbamate, dms., wks. lb. 1.15 - —
Dust, bbls., c.l., works ..... lb. .20¼- —
l.c.l., works ..... lb. .21¼- —
Fluoride, bbls., works..... lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .18¾- —
l.c.l. ..... lb. .18¾- —
Iodide, NF, jars ..... lb. 4.85 - —
Laurate, bbls ..... lb. .45 - .46
Linoleate, solid, 9½%, bbls.... lb. .51¾- —
Metal slabs, E. St. Louis .... lb. .17½- —
Naphthenate, liquid, 8% Zn., frt. alld lb. .21½- .22
10% Zn. dms., frt. alld ..... lb. .26¼- .26¾
Oleate, bbls ..... lb. .42¼- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l., works ..... lb. .13¾- —
American process, com'l. lead-free, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l. works ..... lb. .13¾- —
leaded, 5%, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l., works..... lb. .13¾- —
35%, bgs., c.l., ship't point, frt. alld lb. .15½- —
l.c.l., works..... lb. .15¾- —
50%, bgs., c.l., ship't point, frt. alld lb. .15⅞- —
l.c.l., works ..... lb. .16⅛- —
French process, com'l. lead-free, bgs., c.l., ship't point, frt. alld lb. .15¾- —
l.c.l., works..... lb. .16 - —
green seal, bgs., c.l., ship't point, frt. alld lb. .15¼- —
l.c.l., works..... lb. .15½- —
red seal, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., works..... lb. .15 - —
white seal, bgs., c.l., ship't point, frt. alld lb. .15¾- —
l.c.l., works..... lb. .16 - —
USP, ctns., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., same basis..... lb. .17 - —
Zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF, gran., bbls., dms lb. .26 - .29
powd., bbls. ..... lb. .31 - .32
Resinate, fused, 1% Zn, dms., frt. alld lb. .20 - —
precip., dms., frt. alld ..... lb. .23 - —
Silicofluoride, bbls., works.....lb. .10 - .10½
Stearate, ctns., 2,000 lbs. ..... lb. .42 - —
smaller lots ..... lb. .43 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld..100 lbs. 5.50 - 6.05
l.c.l., same basis..100 lbs. 5.90 - 6.45
flake, 25½% Zn, bgs., c.l., works..100 lbs. 5.75 - 6.40
l.c.l., works..... 100 lbs. 6.15 - 6.80
powd., 36% Zn., bgs., c.l., dlvd., same basis..100 lbs. 8.75 - 9.65
l.c.l., same basis..100 lbs. 9.50 -10.05
Zinc sulphate in bbls. 40c. higher
Sulphide, pure, bgs., c.l., dlvd lb. .13½- —
l.c.l., works ..... lb. .13¾- —
Barium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works..... lb. .08¼- —
Calcium pigment, bgs., c.l., dlvd. lb. .08 - —
l.c.l., works ..... lb. .08¼- —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd lb. .08 - —
l.c.l., dlvd..... lb. .08¼- —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Yellow (see Yellow, zinc)
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 - 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis ..... lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works..... lb. .24½- .25
normal, dms., works..... lb. .43 - .45
Zircon (see Zirconium silicate).

MANEELY NOW OFFERS

Zinc Chloride

(50% & 70% Solutions. In drums or tank cars.)

Zinc Sulphate

(Powder in 100 lb. bags.)

Made by a new process, in the newest and one of the most efficient, modernly equipped chemical plants in the country.

The very latest equipment, including glass lined pipes and vats, plus a closer control than has heretofore been thought possible, combine to give you uniform purity and quality.

Write for samples and prices.

Manco

Maneely CHEMICAL COMPANY

Dept. O 1300 Bankers Securities Bldg. Philadelphia 7, Pa.

Plant, Wheatland, Pa.

Zirconium acetate, solution, bbls., works lb. .25½- —
Carbonate, basic, cake, bbls., works..lb. .30½- —
Hydride, cns., works .....lb. 7.00 - —
Nitrate, dms., works..... lb. 1.75 - —
Oxide, 98½-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l. works..lb. .44 - —
5 tons, works.....lb. .44½- —
1 ton or less, works..lb. .45 - .45
milled, electric-fused, bgs., c.l., works..lb. .59 - —
5 tons, works .....lb. .59½- —
1 ton or less, works ...lb. .60 - .63
Oxychloride, cryst., cns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works lb. .03¼- .03¾
10 tons, works .....lb. .03½- .04
5 tons, works .....lb. .04 - —
1 ton or less, works.....bl. .04¼- .04¾
milled, bgs., c.l., works.....lb. .04¾- —
5 tons, works .....lb. .05¼- —
1 ton or less works .....lb. .05¾- .06¾
refined, bgs., c.l., works.....lb. .11 - —
5 tons, works .....lb. .11½- —
1 ton or less, works.....lb. .12 - .16
Sulphate, cryst., cns., c.l., works lb. .37½- —
5 tons, works.....lb. .38 - —
1 ton or less, works ..lb. .38½- .39

Synthetic Resins and Branded Paint Materials (Manufacturers' List Prices)

A

ABALYN (see Methyl abietate in Current Market Quotations).

ACRYLOID resins, A-10, 30% solids content, c.l., frt. alld., district 1..lb. .40 - —
l.c.l., same basis .....lb. .40½- —
A-101, 40% solids content, c.l., same basis..lb. .43- —
l.c.l., same basis ..... lb. .43½- —
B-7, 20% solids content, c.l., same basis..lb. .32¼- —
l.c.l., same basis.....lb. .32¾- —
B-72, 40% solids content, c.l., same basis..lb. .42 - —
l.c.l., same basis.....lb. .42½- —
C-10, 20% solids content, c.l., same basis..lb. .49 - —
l.c.l., same basis ..... lb. .49½- —
C-10 LV, 40% solids content, c.l., same basis..lb. .42 - —
l.c.l., same basis ..... lb. .42½- —
F-10, 40% solids content, c.l., same basis..lb. .46 - —
l.c.l., same basis.....lb. .46½- —

Prices are f.o.b. Bristol, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings.

ACRYSOL resins, C-9, 40% solids content, c.l., frt. alld., district 1..lb. .39 - —
l.c.l., same basis .....lb. .39½- —
ER, 50% solids content, c.l., f.o.b. Bristol, Pa..lb. .52 - —
l.c.l., same basis.....lb. .52½- —
MR, 50% solids content, c.l., same basis..lb. .52 - —
l.c.l., same basis.....lb. .52½- —
WA-5, 40% solids content, c.l., same basis..lb. .41 - —
l.c.l., same basis .....lb. .41½- —

Prices on Acrysol C-9 are f.o.b. Bristol, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

ALKYDOL resins, S-79, ret. dms., c.l., dlvd., zone 1..lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1001, ret. dms., c.l., same basis.lb. .33 - —
l.c.l., same basis.....lb. .33½- —
S-1004-A, ret. dms., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21 - —
S-1008-A, ret. dms., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .22½- —
S-1010-A, ret. dms., c.l., same basis, lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1061, ret. dms., c.l., same basis.lb. .26 - —
l.c.l., same basis.....lb. .26½- —
S-1061-B, ret. dms., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25 - —
S-1061-C, ret. dms., c.l., same basis, lb. .21½- —
l.c.l., same basis.....lb. .22 - —
S-1069-A, ret. dms., c.l., same basis, lb. .15½- —
l.c.l., same basis.....lb. .16 - —
S-1079, ret. dms., c.l., same basis.lb. .35½- —
l.c.l., same basis.....lb. .36 - —
S-1103, ret. dms., c.l., same basis.lb. .25 - —
l.c.l., same basis.....lb. .25½- —
S-1112-B, ret. dms., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24 - —
S-1116-A, ret. dms., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .21½- —
S-1123, ret. dms., c.l., same basis.lb. .26½- —
l.c.l., same basis.....lb. .27 - —
S-1134-A, ret. dms., c.l., same basis, lb. .23¼- —
l.c.l., same basis.....lb. .23¾- —
S-1147, ret. dms., c.l., same basis.lb. .23½- —
l.c.l., same basis.....lb. .24 - —
S-1149, ret. dms., c.l., same basis.lb. .32 - —
l.c.l., same basis.....lb. .32½- —
S-1151, ret. dms., c.l., same basis.lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
S-1155, ret. dms., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —
S-2008, ret. dms., c.l., same basis.lb. .27 - —
l.c.l., same basis.....lb. .27½- —
S-2025, ret. dms., c.l., same basis.lb. .24 - —
l.c.l., same basis.....lb. .24½- —
S-2047, ret. dms., c.l., same basis.lb. .22 - —
l.c.l., same basis.....lb. .22½- —

Tankcar prices 1c. per lb. below c.l. quotations. Charge for 55-gal. dms., $6 each.

AMBERLAC resins, 80-X, 70% solids content, ret. dms., c.l., frt. alld., district 1..lb. .30 - —
l.c.l., same basis.....lb. .30½- —
80-MT, 50% solids content, ret. dms., c.l., same basis..lb. .22 - —
l.c.l., same basis .....lb. .22½- —
81-X, 70% solids content, ret., dms., c.l., same basis..lb. .29½- —
l.c.l., same basis.....lb. .30 - —

AMBERLAC resins, B-94, 85% solids content, ret. dms., c.l., same basis..lb. .31 - —
l.c.l., same basis.....lb. .31½- —
D-96, ret. dms., c.l., same basis..lb. .34 - —
l.c.l., same basis.....lb. .34½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

AMBEROL resins, 226, fiber ctns., c.l., frt. alld., district 1..lb. .26 - —
l.c.l., same basis .....lb. .26½- —
750, fiber ctns., c.l., same basis..lb. .33 - —
l.c.l., same basis.....lb. .33½- —
800, light, fiber ctns., c.l., same basis..lb. .19½- —
l.c.l., same basis.....lb. .20 - —
801, extra light, fiber ctns., c.l., same basis..lb. .20¼- —
l.c.l., same basis.....lb. .20¾- —
801, light, fiber ctns., c.l., same basis..lb. .20 - —
l.c.l., same basis .....lb. .20½- —
801-P, fiber ctns., c.l., same basis, lb. .20 - —
l.c.l., same basis .....lb. .20½- —
806-P, fiber ctns., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .21½- —
803, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
820, fiber ctns., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —

AMBEROL resins, 925, fiber ctns., c.l., same basis.....lb. .20¾- —
l.c.l., same basis.....lb. .21¼- —
926, fiber ctns., c.l., same basis lb. .19½- —
l.c.l., same basis .....lb. .20 - —
B/S, light, fiber ctns., c.l., same basis..lb. .18½- —
l.c.l., same basis.....lb. .19 - —
B/S-1, extra light, fiber ctns., c.l., same basis..lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
F-7, extra light, fiber ctns., c.l., same basis..lb. .20¾- —
l.c.l., same basis.....lb. .21¼- —
F-7, light, fiber ctns., c.l., same basis..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
F-7, dark, fiber ctns., c.l., same basis..lb. .20¼- —
l.c.l., same basis.....lb. .20¾- —
F-71, fiber ctns., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .21½- —
F-77, fiber ctns., c.l., same basis, lb. .20½- —
l.c.l., same basis .....lb. .21 - —
K-12A, fiber ctns., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .23½- —
M-21, fiber ctns., c.l., same basis lb. .20½- —
l.c.l., same basis .....lb. .21 - —
M-23, fiber ctns., c.l., same basis lb. .24 - —
l.c.l., same basis.....lb. .24½- —
M-82, fiber ctns., c.l., same basis, lb. .21½- —
l.c.l., same basis .....lb. .22 - —
M-88, fiber ctns., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .23½- —
M-93, fiber ctns., c.l., same basis, lb. .24 - —
l.c.l., same basis.....lb. .24½- —
ST-137, fiber ctns., c.l., same basis, lb. .34 - —
l.c.l., same basis.....lb. .34½- —

AMBEROL resins ST-137X, fiber ctns., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .32½- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

AQUAPLEX resin, S-7, ret. dms., c.l., frt. alld., district 1..lb. .23 - —
l.c.l., same basis.....lb. .23¼- —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

AROCLORS, distilled, dms., c.l., works..lb. .18 - —
ton lots, works .....lb. .18½- —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works..lb. .15½- —
ton lots, works .....lb. .16 - —
single dms., works.....lb. .16½- —

B

BAKELITE resins, BR-254, dms., 36,000 lbs., dlvd..lb. .42 - —
l.c.l. same basis .....lb. .42¼- .43
2173, dms., 36,000 lbs., same basis..lb. .39½- —
l.c.l., same basis .....lb. .39¾- .40¼

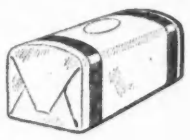
TITANOX PIGMENTS SERVE THE FOLLOWING FIELDS:

PAINT
PAPER
RUBBER
FLOOR COVERING
COATED FABRICS
PLASTICS
TEXTILE
CERAMICS
VITREOUS ENAMEL
GLASS
WELDING ROD
INK
LEATHER
BUILDING MATERIALS

Higher Opacity for all types of paper

The paper industry is one of many that TITANOX pigments serve. To lightweight, waxed and publication stock, these versatile titanium dioxide products impart great opacity, whiteness and brightness either through beater addition or coating. "Show-through" is minimized and higher printing opacity is developed. Thus the attractiveness of printed messages and illustrations is greatly enhanced.

We will be glad to discuss with you the development of greater sales-appeal in your paper through the economical use of TITANOX pigments. Call or write our nearest office. Titanium Pigment Corporation, 111 Broadway, New York 6, N. Y.; 104 So. Michigan Ave., Chicago 3, Ill.; 2600 So. Eastern Ave., Los Angeles 22, Calif. Branches in all other principal cities.



®TITANOX
the brightest name in pigments

TITANIUM PIGMENT CORPORATION
Subsidiary of NATIONAL LEAD COMPANY

BAKELITE resins, BR-3360, dms., 36,000 lbs., same basis lb. .40 - —
l.c.l., same basis lb. .40¼- .41
4036, dms., 36,000 lbs., same basis lb. .40 - —
l.c.l., same basis lb. .40¼- .41
9367, dms., 36,000 lbs., same basis lb. .26 - —
l.c.l., same basis lb. .26¼- .27
9400, dms., 36,000 lbs., same basis lb. .34 - —
l.c.l., same basis lb. .34¼- .35
9432, dms., 36,000 lbs., same basis lb. .33 - —
l.c.l., same basis lb. .33¼- .34
10282, dms., 36,000 lbs., same basis lb. .34½- —
l.c.l., same basis lb. .34¾- .35½
11544, dms., 36,000 lbs., same basis lb. .26½- —
l.c.l., same basis lb. .26¾- .27½
14634, dms., 36,000 lbs., same basis lb. .36½- —
l.c.l., same basis lb. .36¾- .37½
15775, dms., 36,000 lbs., same basis lb. .26 - —
l.c.l., same basis lb. .26¼- .27
17620, dms., 36,000 lbs., same basis lb. .30 - —
l.c.l., same basis lb. .30¼- .31
17920, dms., 36,000 lbs., same basis lb. .49 - —
l.c.l., same basis lb. .49¼- .50
BV-1600, dms., 36,000 lbs., same basis lb. .31½- —
l.c.l., same basis lb. .31¾- .32½
9700-S, dms., 36,000 lbs., same basis lb. .25 - —
l.c.l., same basis lb. .25¼- .26
10673, dms., 36,000 lbs., same basis lb. .36½- —
l.c.l., same basis lb. .36¾- .37½
BK-3962, dms., 36,000 lbs., same basis lb. .30 - —
l.c.l., same basis lb. .30¼- .31
16624, dms., 36,000 lbs., same basis lb. .29½- —
l.c.l., same basis lb. .29¾- .30½
XR-3180, dms., 36,000 lbs., same basis lb. .70 - —
l.c.l., same basis lb. .70¼- .71
4357, dms., 36,000 lbs., same basis lb. .72 - —
l.c.l., same basis lb. .72¼- .73
BJ-15408, dms., 36,000 lbs., same basis lb. .36 - —
l.c.l., same basis lb. .36¼- .37

Shipments are made to delivery point of carrier nearest buyer's point of destination within the United States, as specified on buyer's order. Method of delivery at seller's option.

BECKACITE resins, 1100, dms., incl., c.l., dlvd. zone 1 and 2 lb. .19 - —
l.c.l., same basis lb. .19½- —
1102, dms. incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
1106, dms. incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
1110, dms. incl., c.l., same basis lb. .18½- —
l.c.l., same basis lb. .19 - —
1111, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1112, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1113, dms. incl., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .18½- —
1114, dms. incl., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .18 - —
1116, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1120, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1123, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1124, dms. incl., c.l., same basis lb. .17 - —
l.c.l., same basis lb. .17½- —
1126, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

BECKAMINE resins, P-138, dms. incl., c.l., dlvd. zones 1 and 2 lb. .26 - —
l.c.l., same basis lb. .26½- —
P-196, dms. incl., c.l., same basis. lb. .27 - —
l.c.l., same basis lb. .27½- —
•P-198, dms. incl., c.l., same basis. lb. .26 - —
l.c.l., same basis lb. .26½- —
•P-342, dms. incl., c.l., same basis. lb. .08½- —
l.c.l., same basis lb. .09 - —
P-354, dms. incl., c.l., same basis. lb. .25 - —
l.c.l., same basis lb. .25½- —
P-364-A, dms. incl., c.l., same basis. lb. .13¼- —
l.c.l., same basis lb. .13¾- —
P-426, dms. incl., c.l., same basis. lb. .09 - —
l.c.l., same basis lb. .09½- —
P-468, dms. incl., c.l., same basis. lb. .17¾- —
l.c.l., same basis lb. .18¼- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.
•Tankcar quantities not available.

BECKOLIN resins, 17 dark, dms., incl., c.l., dlvd., zones 1 and 2 lb. .23 - —
l.c.l., same basis lb. .23½- —
27 light, dms. incl, c.l., same basis lb. .25 - —
l.c.l., same basis lb. .25½- —
P-500, dms. incl., c.l., same basis. lb. .15 - —
l.c.l., same basis lb. .15½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

BECKOPOL resin, 1400, dms. incl., c.l., dlvd., zones 1 and 2 lb. .25½- —
l.c.l., same basis lb. .26 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

BECKOSOL resins, semi-solid, 7-85, 85% solids content, dms. incl., c.l., dlvd., zones 1 and 2 lb. .28 - —
l.c.l., same basis lb. .28½- —

BECKOSOL resins, semi-solid, 31-85, 85% solids content, dms., incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
70-85, 85% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
96-85, 85% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
Solid 1, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
3, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
7, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
8, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
13, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
18, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
19, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
23, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
24, 100% solids content, dms. incl., c.l., same basis lb. .48 - —
l.c.l., same basis lb. .49 - —
31, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
34, 100% solids content, dms. incl., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - —
40, 100% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .29 - —
70, 100% solids content, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - —
96, 100% solids content, dms. incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - —
P-531, 100% solids content, dms. incl., c.l., same basis lb. .34 - —
l.c.l., same basis lb. .35 - —
Solution, 1, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1303, dms. incl , c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 EL, dms., incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 EL-HV, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1307 Lt., dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
1308, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1313 EL, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
1313 Lt, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1316, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1319, dms. incl., c.l., same basis. lb. .24 - —
l.c.l., same basis lb. .24½- —
1320, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1323 EL, dms., incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1323 Lt., dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1325, dms. incl., c.l., same basis. lb. .20½- —
l.c.l., same basis lb. .21 - —
1326, dms. incl., c.l., same basis. lb. .20½- —
l.c.l., same basis lb. .21 - —
1331-60 EL, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1331-60 Lt., dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
1334 EL, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
1334 Lt., dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
1337, dms. incl., c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
1338, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1340, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
1341, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
1940, dms. incl., c.l., same basis. lb. .16 - —
l.c.l., same basis lb. .16½- —
1941, dms. incl., c.l., same basis. lb. .16 - —
l.c.l., same basis lb. .16½- —
1945, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-27, dms. incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
P-271, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
P-296, dms. incl., c.l., same basis. lb. .22 - —
l.c.l., same basis lb. .22½- —
P-322, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-323, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-366, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-372, dms. incl., c.l., same basis. lb. .25 - —
l.c.l., same basis lb. .25½- —
P-376, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-381, dms. incl., c.l., same basis. lb. .29 - —
l.c.l., same basis lb. .29½- —
P-421, dms. incl., c.l., same basis. lb. .22 - —
l.c.l., same basis lb. .22½- —
P-430, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-443, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-450, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-470, dms. incl., c.l., same basis. lb. .23 - —
l.c.l., same basis lb. .23½- —
P-470-60, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —

BECKOSOL resins, solution, P-471, dms., incl., c.l., same basis. lb. .21 - —
l.c.l., same basis lb. .21½- —
P-505, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-524, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-525, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .18½- —
P-526, dms. incl., c.l., same basis. lb. .20 - —
l.c.l., same basis lb. .20½- —
P-527, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —
P-528, dms. incl., c.l., same basis. lb. .18 - —
l.c.l., same basis lb. .19½- —
P-529, dms. incl., c.l., same basis. lb. .18½- —
l.c.l., same basis lb. .19 - —
P-531, dms. incl., c.l., same basis. lb. .19 - —
l.c.l., same basis lb. .19½- —
P-546, dms. incl., c.l., same basis. lb. .16½- —
l.c.l., same basis lb. .17 - —
P-584, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 - —
P-593, dms. incl., c.l., same basis. lb. .14 - —
l.c.l., same basis lb. .14½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. Semi-solids and solids are not available in tankcar quantities. For solutions in tankcars, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. per lb. to the c.l. listing on liquid materials and 3c. per lb. on solid resins.

BEETLE, 212-9, dms., c.l., frt. alld.
E lb. .40½- —
l.c.l., same basis lb. .41 - —
216-8, c.l., frt. alld lb. .30 - —
l.c.l. same basis lb. .30½- —
219-8, c.l., frt. alld lb. .26 - —
l.c.l., same basis lb. .26½- —
227-8, c.l., frt. alld lb. .26 - —
l.c.l., same basis lb. .26½- —
230-8, c.l., frt. alld lb. .34½- —
l.c.l., same basis lb. .35 - —
592-8, c.l., frt. alld lb. .30½- —
l.c.l., same basis lb. .31 - —
Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

C

CELLOLYN 102, non-ret dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
103, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - —
95, c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
T-501, c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
CUMAR resins AX, viscous, net weight lb. .07½- —
CX, solid, gross weight lb. .07 - —
EX, dark, solid, color 17-22, gross weight lb. .06 - —
light, solid, color 12-16, gross weight lb. .06½- —
FX, solid, gross weight lb. .07 - —
MH 1, flaked, net weight lb. .14 - —
1½ and 2, flaked, net weight lb. .13 - —
2½ and 3, flaked, net weight lb. .12 - —
2½ and 3, solid, net weight lb. .11½- —
9, solid, net weight lb. .10 - —
P-10•, viscous, net weight lb. .12 - —
P-25•, viscous, net weight lb. .12 - —
RH, solid, net weight lb. .12 - —
S, solid, gross weight lb. .13 - —
T 3, solid, gross weight lb. .10¾- —
3-3, solid, gross weight lb. .11½- —
5, solid, gross weight lb. .10½- —
5-2, solid, gross weight lb. .10½- —
5-3, solid, gross weight lb. .11 - —
6, solid, gross weight lb. .09¾- —
15, solid, gross weight lb. .06½- —
V ½, flaked, net weight lb. .15 - —
1, flaked, net weight lb. .14 - —
1½ and 2, flaked, net weight lb. .13 - —
2½ and 3, flaked, net weight lb. .12 - —
W, ½, flaked, net weight lb. .15½- —
1, flaked, net weight lb. .14½- —
1½ and 2, flaked, net weight lb. .13½- —
2½, flaked, net weight lb. .12½- —
Prices apply to full standard drums only, f.o.b. Frankford, Philadelphia, Pa., freight equalized with Pittsburgh.
CYCLOPOL resin, S101-1, dms., c.l., frt. alld lb. .23 - —
l.c.l., same basis lb. .23½- —

D

DAREX copolymer resins, 3, pkgs., c.l. (40,000 lbs.), f.o.b. Cambridge, Mass lb. .35 - —
1 to 19 tons, same basis lb. .36 - —
less than ton lots, same basis lb. .37 - —
X 34, pkgs., c.l. (40,000 lbs.), same basis lb. .35 - —
1 to 19 tons, same basis lb. .36 - —
less than ton lots, same basis lb. .37 - —
X 43, pkgs., c.l. (40,000 lbs.), same basis lb. .36 - —
1 to 19 tons, same basis lb. .37 - —
less than ton lots, same basis lb. .38 - —
Copolymer latices, 3-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
9-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
X 34-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
X 44-L, non-ret. dms., c.l. (70 dms.), same basis lb. .36½- —
10-dm. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50
Polymer emulsions, X52L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .37½- —
5-bbl. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
X53L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .37½- —
5-bbl. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50
X56L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .35½- —
5-bbl. lots, same basis lb. .38 - —
smaller lots, same basis lb. .39 - .50

DAREX polymer emulsions, X58L, non-ret. bbls., c.l. (70 bbls.), same basis lb. .39½- —
5-bbl. lots, same basis lb. .42 - —
smaller lots, same basis lb. .43 - .50
X60L-1600, non-ret. bbls., c.l. (70 bbls.), same basis lb. .37½- —
5-bbl. lots, same basis lb. .40 - —
smaller lots, same basis lb. .41 - .50

Prices of polymer emulsions and copolymer latices are quoted per lb. of total solids.

DOW resin 276, V-2 and V-9, 55-gal. drums, c.l., works lb. .24 - —
l.c.l., same basis lb. .24½- —
5 and 10-gal. drums, same basis lb. .30 - —
DOW CORNING silicone resins DC-801, 5-10-gal. cans, net wgt., 8.4 lbs. per gal., f.o.b. ship't pt., frt. prepaid gal.19.40 - —
30-50 gals., dms gal.18.65 - —
DC-802, 5-10 gals., same basis gal.19.40 - —
30-50-gal., dms., same basis gal.18.65 - —
DC-803, 5-10 gals., same basis gal.15.70 - —
30-50-gal. dms., same basis gal.15.10 - —
DC-804, 5-10 gals., same basis gal.19.40 - —
30-50-gal. dms., same basis gal.18.65 - —
DC-993, 50% solids, 5-10 gals., same basis gal.15.50 - —
30-50-gal. dms., same basis gal.14.90 - —
DC-993, 70% solids, 5-10 gals. net wgt., 9 lbs. per gal., same basis gal.23.25 - —
30-50-gal. dms., same basis gal.22.40 - —
DC-996, 5-10 gals., net wgt., 8.4 lbs. per gal., same basis gal.15.50 - —
30-50-gal. dms., same basis gal.14.90 - —
DC-2103, 5-10 gals., net wgt., 9 lbs. per gal., same basis gal.19.90 - —
30-50-gal. dms., same basis gal.19.15 - —
DURAPLEX resins, A-27, 60% solids content, ret. dms., c.l., frt. alld., district 1 lb. .26 - —
l.c.l., same basis lb. .26½- —
A-29, 60% solids content, ret. dms., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .30½- —
AL-210L, 100% solids content, ret. dms., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
C-45 HV, 60% solids content, ret. dms., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
C-45 HV, 100% solids content, ret. dms., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .44¾- —
C-45 LV, 100% solids content, ret. dms., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .44¾- —
C-49, 60% solids content, ret. dms., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
C-49, 100% solids content, ret. dms., c.l., same basis lb. .48 - —
l.c.l., same basis lb. .48¾- —
C-55, 50% solids content, ret. dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
D-65A, 60% solids contents, ret. dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
D-65A, 70% solids content, ret. dms., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
D-65A, 85% solids content, ret. dms., c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 - —
DX-656, 50% solids content, ret. dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
ND-77B, 60% solids content, ret. dms., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
ND-78, 80% solids content, ret. dms., c.l., same basis lb. .26 - —
l.c.l., same basis lb. .26½- —
ND-78N, 60% solids content, ret. dms., c.l., same basis lb. .26½- —
l.c.l., same basis lb. .27 - —

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

DYAL resins, 1, 50% solids content, dms. incl., c.l., works lb. 20½- —
l.c.l., same basis lb. .21 - —
6, 50% solids content, dms. incl., c.l., same basis lb. .16 - —
l.c.l., same basis lb. .16½- —
7, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
8, 60% solids content, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis lb. .28½- —
9, 50% solids content, dms. incl., c.l., same basis lb. .23½- —
l.c.l., same basis lb. .24 - —
16, 70% solids content, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
19, 55% solids content, dms. incl., c.l., same basis lb. .29 - —
l.c.l., same basis lb. .29½- —
26, 50% solids content, dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis lb. .19½- —
37, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
62, 50% solids content, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .20½- —
66, 60% solids content, dms. incl., c.l., same basis lb. .27 - —
l.c.l., same basis lb. .27½- —
75, 50% solids content, dms. incl., c.l., same basis lb. .22 - —
l.c.l., same basis lb. .22½- —
78, 50% solids content, dms. incl., c.l., same basis lb. .24½- —
l.c.l., same basis lb. .25 - —
83, 70% solids content, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
84, 70% solids content, dms. incl., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .30½- —
86, 50% solids content, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .21½- —
93, 70% solids content, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis lb. .23½- —
99, 50% solids content, dms. incl., same basis lb. .19¾- —
l.c.l., same basis lb. .20¼- —
116, 90% solids content, dms. incl., c.l., same basis lb. .34½- —
l.c.l., same basis lb. .35 - —
156, 100% solids content, dms., incl., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .32½- —

Tankcar prices are 1c. per lb. below c.l. quotations. Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Add ½c. per lb. for 30-gal. dms.; 5-gal. pails, 1c. per lb. additional.

DYMAL resins, 79, fiber ctns., net wgt., c.l., works lb. .31 - —
l.c.l., same basis lb. .31½- —

DYMAL resins, 149, fiber ctns., net wgt., c.l., same basis....lb. .23½ -
l.c.l., same basis....lb. .24 - —
213, fiber ctns., net wgt., c.l., same basis..lb. .22½ - —
l.c.l., same basis....lb. .23 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENE resins, 5, fiber ctns., net wgt., c.l., works..lb. .39½ - —
l.c.l., same basis....lb. .40 - —
7, fiber ctns., net wgt., c.l., same basis..lb. .37½ - —
l.c.l., same basis....lb. .38 - —
8, fiber ctns., net wgt., c.l., same basis..lb. .39 - —
l.c.l., same basis....lb. .39½ - —
9, fiber ctns., net wgt., c.l., same basis..lb. .39 - —
l.c.l., same basis....lb. .39½ - —
9, fiber ctns., net wgt., c.l., same basis..lb. .37½ - —
l.c.l., same basis....lb. .38 - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs. or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

DYPHENITE resins, 79, fiber ctns., net wgt., c.l., works..lb. .29½ - —
l.c.l., same basis....lb. .30 - —
130, fiber ctns., net wgt., c.l., same basis..lb. .25¼ - —
l.c.l., same basis....lb. .25¾ - —
133, fiber ctns., net wgt., c.l., same basis..lb. .26 - —
l.c.l., same basis....lb. .26½ - —

Minimum transportation allowed to destination except in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Add ¾c. per lb. for the foregoing states. Less than bbls., 100 lbs., or more, 1c. per lb. additional; 50-99 lbs., 2c. per lb. extra, and less than 50 lbs., 5c. per lb. additional.

E

ETHOCEL (see Ethylcellulose in Current Market Quotations).

F

FALKYD resins, A-2, 60% solids, dms., incl., c.l....lb. .27½ - —
l.c.l., same basis....lb. .28 - —
A-3, 50% solids, dms. incl., c.l..lb. .22 - —
l.c.l., same basis....lb. .22½ - —
A-3-LV, 50% solids, dms. incl., c.l. lb. .23 - —
l.c.l., same basis....lb. .23½ - —
A-4-D, 40% solids, dms. incl., c.l. lb. .19½ - —
l.c.l., same basis....lb. .20 - —
A-4-D, 50% solids, dms. incl., c.l. lb. .23¼ - —
l.c.l., same basis....lb. .23¾ - —
A-5-D, 70% solids, dms. incl., c.l. lb. .31 - —
l.c.l., same basis....lb. .31½ - —
*A-5-D, 100% solids, dms. incl., c.l..lb. .42 - —
l.c.l., same basis....lb. .42½ - —
A-6, 70% solids, dms. incl., c.l. lb. .30 - —
l.c.l., same basis....lb. .30½ - —
AA-6, 70% solids, dms. incl., c.l. lb. .30 - —
l.c.l., same basis....lb. .30½ - —
B-2, 60% solids, dms. incl., c.l..lb. .27 - —
l.c.l., same basis....lb. .27½ - —
B-2-S, 50% solids, dms. incl., c.l. lb. .21 - —
l.c.l., same basis....lb. .21½ - —
B-3, 50% solids, dms. incl., c.l..lb. .19½ - —
l.c.l., same basis....lb. .20 - —
B-34, 50% solids, dms. incl., c.l..lb. .19½ - —
l.c.l., same basis....lb. .20 - —
B-38, 50% solids, dms. incl., c.l..lb. .23 - —
l.c.l., same basis....lb. .23½ - —
B-41, 65% solids, dms. incl., c.l. lb. .25½ - —
l.c.l., same basis....lb. .26 - —
*B-43-D, 100% solids, dms. incl., c.l..lb. .36½ - —
l.c.l., same basis....lb. .37 - —
*B-5, 85% solids, dms. incl., c.l..lb. .31¾ - —
l.c.l., same basis....lb. .32¼ - —
B-666, 70% solids, dms. incl., c.l. lb. .23½ - —
l.c.l., same basis....lb. .24 - —
BB-6, 60% solids, dms. incl., c.l. lb. .21 - —
l.c.l., same basis....lb. .21½ - —
BB-6, 70% solids, dms. incl., c.l. lb. .23 - —
l.c.l., same basis....lb. .23½ - —
C-3, 50% solids, dms. incl., c.l..lb. .22 - —
l.c.l., same basis....lb. .22½ - —
C-5, 70% solids, dms. incl., c.l..lb. .26½ - —
l.c.l., same basis....lb. .27 - —
C-5-D, 70% solids, dms. incl., c.l. lb. .27½ - —
l.c.l., same basis....lb. .28 - —
G-25, 50% solids, dms. incl., c.l. lb. .23 - —
l.c.l., same basis....lb. .23½ - —
G-2500 (xylol), 50% solids, dms. incl., c.l. lb. .23½ - —
l.c.l., same basis....lb. .24 - —
G-2500 (high-flash), 50% solids, dms. incl., c.l. lb. .24 - —
l.c.l., same basis....lb. .24½ - —
I-72-D-HV, 50% solids, dms. incl., c.l. lb. .19 - —
l.c.l., same basis....lb. .19½ - —
I-7, 60% solids, dms. incl., c.l..lb. .16¼ - —
l.c.l., same basis....lb. .16¾ - —
I-8, 75% solids, dms. incl., c.l..lb. .17½ - —
l.c.l., same basis....lb. .18 - —
J-203, 50% solids, dms. incl., c.l. lb. .22½ - —
l.c.l., same basis....lb. .23 - —
J-325, 50% solids, dms. incl., c.l. lb. .19 - —
l.c.l., same basis....lb. .19½ - —
L-4-X, 50% solids, dms., incl., c.l., lb. .25 - —
l.c.l., same basis....lb. .25½ - —
L-5, 60% solids, dms. incl., c.l..lb. .29 - —
l.c.l., same basis....lb. .29½ - —
W-200, 60% solids, dms. incl., c.l. lb. .29 - —
l.c.l., same basis....lb. .29½ - —

Tankcar prices 1c. per lb. below c.l. quotations.
* Tankcar quotations not available.

FALKOTE 285, 100% solids, dms. incl., c.l..lb. .22 - —
l.c.l., same basis....lb. .22½ - —
315, 100% solids, dms. incl., c.l. lb. .22 - —
l.c.l., same basis....lb. .22½ - —
FLEXALYN solution, non-ret. dms., dlvd., c.l., zone 1..lb. .17¾ - —
l.c.l., same basis....lb. .18¼ - —
FLEXALYN C solution, c.l., same basis..lb. .17 —
l.c.l., same basis....lb. .17½ - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

FORMVAR polyvinyl formal resin, 15 95 E. ret. dms., c.l., (30,000 lbs.), f.o.b. Indian Orchard, Mass..lb. .83 - —
2,000 lbs. to 29,999 lbs., same basis..lb. .85 - —
123 lbs. to 1,999 lbs., same basis..lb. .88 - —
smaller lots, same basis....lb. 1.00 - —

G

GELVA resin, gran., 1½, 2½, 7, 15, 25, 60, 100 and 800 cps., fib. ctns., c.l., dlvd. E. of Miss. R., works..lb. .40 - —
ton lots only, fib. ctns., same basis..lb. .43 - —
over 200 lbs., fib. ctns., same basis..lb. .45 - —
under 200 lbs., fib. ctns., same basis..lb. .60 - —
Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices. Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb. higher.
Solution, 55 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass....gal. 1.75 - —
1.5 cps., 70% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .31 - —
less than ton lots, non-ret. bbls., same basis..lb. .32 - —
GELVA resin, solution, 2.5 cps., 60% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .27½ - —
less than ton lots, non-ret. bbls., same basis..lb. .28½ - —
7 cps., 50% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .24 - —
less than ton lots, non-ret. bbls., same basis..lb. .25 - —
13 cps., 35% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .19 - —
less than ton lots, non-ret. bbls., same basis..lb. .20 - —
100 cps., 25% solids content in toluol, non-ret. bbls., ton lots only, same basis..lb. .16 - —
less than ton lots, non-ret. bbls., same basis..lb. .17 - —
Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids) and S-50, non-ret. bbls., c.l., dlvd. E. of Rocky Mts., works..lb. .20½ - —
ton lots and over, non-ret. bbls., same basis..lb. .22 - —
less than ton lots, non-ret. bbls., same basis..lb. .22½ - —
less than bbls., f.o.b. Indian Orchard, Mass..lb. .28 - —

Prices W. of Rocky Mts. 2c. per lb. higher.

GEON, polyvinyl resin, 101, 30,000 lbs., works..lb. .34 - —
5,000 to 29,999 lbs., works..lb. .36 - —
200 to 4,999 lbs., works..lb. .38 - —
up to 199 lbs., works..lb. .52 - —
202, 30,000 lbs., works..lb. .34 - —
5,000 to 29,999 lbs., works..lb. .36 - —
200 to 4,999 lbs., works..lb. .38 - —
up to 199 lbs., works..lb. .52 - —
GEON polyvinyl resin, 203, 30,000 lbs., works..lb. .37 - —
5,000 to 29,999 lbs., works..lb. .39 - —
200 to 4,999 lbs., works..lb. .41 - —
up to 199 lbs., works..lb. .58 - —
204, 30,000 lbs., works..lb. .37 - —
5,000 to 29,999 lbs..lb. .39 - —
200 to 4,999 lbs..lb. .41 - —
up to 199 lbs..lb. .58 - —
205, 30,000 lbs., works..lb. .34 - —
5,000 to 29,999 lbs., works..lb. .36 - —
200 to 4,999 lbs., works..lb. .38 - —
up to 199 lbs., works..lb. .52 - —

Minimum transportation prepaid.

GLYPTAL resins, 1247, 65% solids content, dms., incl., c.l., frt. alld., zones 1 & 2..lb. .27¾ - —
l.c.l., same basis....lb. .28¼ - —
2458, 50% solids content, dms. incl., c.l., same basis..lb. .24¾ - —
l.c.l., same basis....lb. .25¼ - —
2462, 50% solids content, dms. incl., c.l., same basis..lb. .22 - —
l.c.l., same basis....lb. .22½ - —
2464, 50% solids content, dms. incl., c.l., same basis..lb. .22½ - —
l.c.l., same basis....lb. .23 - —
2466, 70% solids content, dms. incl., c.l., same basis..lb. .25 - —
l.c.l., same basis....lb. .25½ - —
2475, 60% solids content, dms. incl., c.l., same basis..lb. .23 - —
l.c.l., same basis....lb. .23½ - —
2477, 65% solids content, dms., incl., c.l., same basis..lb. .27 - —
l.c.l., same basis....lb. .27½ - —
2480, 50% solids content, dms. incl., c.l., same basis..lb. .23½ - —
l.c.l., same basis....lb. .24 - —
2502, 60% solids content, dms. incl., c.l., same basis..lb. .22¼ - —
l.c.l., same basis....lb. .22¾ - —
2503, 100% solids content, dms. incl., c.l., same basis..lb. .40 - —
l.c.l., same basis....lb. .40½ - —

BEMIS MINUTE MOVIES
FOR SHIPPERS WHO WANT TO SAVE TIME AND MONEY
KAYO X WINS HEAVYWEIGHT CHAMPIONSHIP
Kayo X is a heavyweight, but couldn't take it when the going got tough.
He would give at the seams, buckle, and spread himself all over the floor.
USE BEMIS WATERPROOF BAGS
He needed to develop a better defense . . . got it in a Bemis Waterproof Laminated Textile Bag.
Now he steps into any battle, meets all comers, takes tough punishment, and comes out the champ

Pre-tests stop protests, so Bemis Laminated Textile Bags are tested *before* they're put to work. They're tested to give best possible protection against contamination, breakage, absorption of moisture, loss of flavor, insect infestation, sifting, and many other shipping hazards. They're light in weight, yet the strongest shipping bags made. They protect products at a minimum cost.

If the exact Waterproof Bag you need doesn't exist, the Bemis Research Laboratory will design it for you. For prices and complete information about these safe, economical packages, mail this coupon today.

BEMIS BRO. BAG CO.
Waterproof Department
Nation-wide Production and Sales

BEMIS Waterproof BAGS

Bemis Bro. Bag Co., 408-A Pine St., St. Louis
Send details about Bemis Waterproof Bags for _____ (Product)
Name _____
Company _____
Street _____
City _____ Zone _____ State _____

GLYPTAL resins, 2504, 60% solids content, dms., incl., c.l., same basis lb. .22 • —
l.c.l., same basis lb. .22½- —
2505, 60% solids content, dms. incl., c.l., same basis lb. .26¾- —
l.c.l., same basis lb. .27¼- —
2506, 70% solids content, dms. incl., c.l., same basis lb. .25 • —
l.c.l., same basis lb. .25½- —
2508, 100% solids content, dms. incl., c.l., same basis lb. .41 • —
l.c.l., same basis lb. .41½- —
2509, 50% solids content, dms. incl., c.l., same basis lb. .21 • —
l.c.l., same basis lb. .21½- —
2510, 45% solids content, dms., incl., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 • —
2514, 60% solids content, dms. incl., c.l., same basis lb. .22 • —
l.c.l., same basis lb. .22½- —
2517, 50% solids content, dms. incl., c.l., same basis lb. .22½- —
l.c.l., same basis lb. .23 • —
2518, 50% solids content, dms. incl., c.l., same basis lb. .24 • —
l.c.l., same basis lb. .24½- —
2527, 50% solids content, dms. incl., c.l., same basis lb. .24¾- —
l.c.l., same basis lb. .25¼- —
2529, 70% solids content, dms. incl., c.l., same basis lb. .33¼- —
l.c.l., same basis lb. .33¾- —
2532, 50% solids content, dms. incl., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 • —
2555, 65% solids content, dms. incl., c.l., same basis lb. .27¼- —
l.c.l., same basis lb. .27¾- —
2558, 80% solids content, dms. incl., c.l., same basis lb. .31¼- —
l.c.l., same basis lb. .31¾- —
2570, 60% solids content, dms. incl., c.l., same basis lb. .26 • —
l.c.l., same basis lb. .28½- —
2583, 50% solids content, dms. incl., c.l., same basis lb. .21 • —
l.c.l., same basis lb. .21½- —
2585, 50% solids content, dms. incl., c.l., same basis lb. .22½- —
l.c.l., same basis lb. .23 • —
2590, 50% solids content, dms. incl., c.l., same basis lb. .21 • —
l.c.l., same basis lb. .21½- —
2592, 50% solids content, dms. incl., c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 • —
2593, 60% solids content, dms. incl., c.l., same basis lb. .25 • —
l.c.l., same basis lb. .25½- —
2595, 60% solids content, dms. incl., c.l., same basis lb. .22¾- —
l.c.l., same basis lb. .23¼- —

Prices are f.o.b. General Electric Company's plant, freight prepaid and allowed to any point in the United States except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming.

GUAI-A-PHENE, 50-55 gal. dms., ret., dms. on deposit at $6 each, works lb. 2.97 • —
5-gal. dms., dms. incl., any quantity, works lb. 3.12 • —
1-gal. cans, cans incl., 6-can lots, works lb. 3.22 • —
1 to 5 cans, works lb. 3.32 • —

H

HERCOLYN (see methyl abietate hydrogenated) in Current Market Quotations.
HYDROGUM resin, P-190, dms. incl., c.l., dlvd. zones 1 and 2 lb. .21 • —
l.c.l., same basis lb. .21½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

K

KOPOL resins, 500, dms. incl., c.l., dlvd., zones 1 and 2 lb. .25 • —
l.c.l., same basis lb. .25½- —
501, dms. incl., c.l., same basis lb. .22 • —
l.c.l., same basis lb. .22½- —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

L

LEWISOL resins, 28, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .20 • —
l.c.l., same basis lb. .20½- —
33, non-ret. dms., c.l., same basis, lb. .20 • —
l.c.l., same basis lb. .20½- —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

M

MARBON resins, S, bgs., c.l., f.o.b. Gary, Ind lb. .36 • —
2,000 lbs., same basis lb. .37 • —
smaller lots, same basis lb. .38 • .43
S-1, bgs., c.l., same basis lb. .36 • —
2,000 lbs., same basis lb. .37 • —
smaller lots, same basis lb. .38 • .43
Minimum freight allowed.
MARMIX, non-ret. dms., c.l., f.o.b. Gary, Ind lb. .36 • —
l.c.l., same basis lb. .38 • —
less dms., same basis lb. .43 • —
Minimum freight allowed.
MARVINOL resin, VR-10, 30,000 lbs., f.o.b. works lb. .33 • —
5,000 to 29,999 lbs., same basis lb. .34 • —
200 to 4,999 lbs., same basis lb. .36 • —
up to 199 lbs., same basis lb. .50 • —
MELMAC, 245-8, dms., c.l., frt. alld. E lb. .39 • —
l.c.l., frt. alld lb. .39½- —
246-10, c.l., frt. alld lb. .48 • —
l.c.l., frt. alld lb. .48½- —
248-8, c.l., frt. alld lb. .40 • —
l.c.l., frt. alld lb. .40½- —
560-8, c.l., frt. alld lb. .39½- —
l.c.l., frt. alld lb. .40 • —
586-9, c.l., frt. alld lb. .36¾- —
l.c.l., frt. alld lb. .37¼- —
599-8, c.l., frt. alld lb. .38½- —
l.c.l., frt. alld lb. .39 • —

Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

METHOCEL (see Methylcellulose in Current Market Quotations).
MONOPLEX resins, 5, ret. dms., c.l., f.o.b. Bridesburg, Philadelphia, Pa lb. .70 • —
10-dm. lots, same basis lb. .70½- —
1-9-dm. lots, same basis lb. .71 • —
MONOPLEX resins, DBS, ret. dms., c.l., same basis lb. .58 • —
10-dm. lots, same basis lb. .58½- —
1-9-dm. lots, same basis lb. .59 • —
DOS, ret. dms., c.l., same basis lb. .69 • —
10-dm. lots, same basis lb. .69½- —
1-9-dm. lots, same basis lb. .70 • —

Prices are subject to certain differentials if shipped from warehouse stocks. Tankcar deliveries are priced 1c. per lb. under carlot listings. For less than 50-gal. drum shipments, add 3c. per lb. to the single drum price, f.o.b. Bridesburg, Philadelphia, Pa. A deposit charge of $4 each is made on all 50-gal. drums.

N

NEO-FAT drying oil, 170, dms. incl., c.l., dlvd lb. .29¼- —
190, dms., c.l., dlvd lb. .32¼- —
Fatty acid, 3R, dms. incl., c.l., dlvd lb. .16½- —
11, dms., c.l., dlvd lb. .43¼- —
17, dms., c.l., dlvd lb. .25¼- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums are included and not returnable.

NEOLYN resin, 20, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .26½- —
l.c.l., same basis lb. .27 • —
23, c.l., same basis lb. .25½- —
l.c.l., same basis lb. .26 • —
24 (75% in toluol), c.l., same basis. lb. .23 • —
l.c.l., same basis lb. .23½- —
40, c.l., same basis lb. .27½- —
l.c.l., same basis lb. .28 • —
60, c.l., same basis lb. .29 • —
l.c.l., same basis lb. .29½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

NEVILLAC, pale hard, color 1-2, melting point 85-95°C., dms., works lb. .25 • —
hard, color 2½-4, melting point 85-95°C., same basis lb. .23 • —
soft, color 2½-4, melting point 65-70°C., same basis lb. .25 • —
10° C., color ½-4, same basis lb. .33 • —
ZC, same basis lb. .31 • —
OA, same basis lb. .45 • —
RT, same basis lb. .31 • —
RX, same basis lb. .31 • —
TS, same basis lb. .45 • —
PHO, same basis lb. .33 • —
NEVILLE resin, G, dms., net weight, lb. .10½- —
R-1, nevindene, color ½, dms., works lb. .15½- —
R-3, nevindene, color 1, dms., works lb. .14½- —
R-5, nevindene, color 1½-2, dms., works lb. .13½- —
R-6, nevidene, color 2½-3½, dms., works lb. .12½- —
R-7, N.P.S., color below 3, dms., works lb. .15 • —
R-9, hard, color ½, dms., works, lb. .15 • —
R-10, hard, color 1, dms., works. lb. .14 • —
R-11, hard, color 1½-2, dms., works lb. .13 • —
R-12, hard, color, 2½-3½, dms., works lb. .12 • —
R-13, medium color, ½, dms., works lb. .15 • —
R-14, medium, color 1, dms., works lb. .14 • —
R-15, medium, color 1½-2, dms., works lb. .13 • —
R-16, medium, color 2½-4, dms., works lb. .12 • —
R-17, medium, soft, color 3½-8, dms., works lb. .12 • —
R-19, medium, soft, color 3½-8, dms., works lb. .12 • —
R-21, soft, color 3½-8, dms., works lb. .12 • —
R-22, special, soft, color 3½-8, dms., works lb. .12 • —
R-29, medium, soft, color 2½-8, dms., works lb. .12 • —
465, 110-125°C., dms., gross wt., Pittsburgh lb. .05¾- —
LX-685, dms., net weight, works lb. .12 • —
resinous oil, No XI, ret. dms. lb. .02½- —

Neville resin prices, except "G" resin, 465 resin and LX-685, are freight equalized with Phila. Less than full drum shipments are 5c. per lb. additional, f.o.b. Neville Island, Pa.

NEVINOL, dms., works lb. .17 • —
NUBA. No. 1, 80-90°C., dms., gross weight, works lb. .04 • —
No. 2, 100-125°C., dms., gross weight, works lb. .04 • —
No. 3-X, 135-150°C., dms., gross weight, works lb. .06½- —

P

PARADENE 1, 78-99° C. color, 12-16, dms., gross wt., works lb. .06½- —
2, 100-125° C., color 12-16, dms., gross wt., works lb. .06½- —
3, 125-140° C., dms., gross wt., works lb. .07 • —
33, color 10-15, dms. gross wt., works lb. .07½- —
34, color 10-15, dms., gross wt., works lb. .07½- —
35, color 10-15, dms., gross wt., works lb. .07 • —

Paradene prices are freight equalized with Philadelphia, Pa.

PARAPLEX resins 5-B, 80% solids content, ret. dms., c.l., frt. alld. district 1 lb. .35 • —
l.c.l., same basis lb. .35½- —
5-B, 100% solids content, ret. dms., c.l., same basis lb. .39 • —
l.c.l., same basis lb. .39¾- —
AL-111, 100% solids content, ret. dms., c.l., same basis lb. .33 • —
l.c.l., same basis lb. .33¾- —
G-20, 60% solids content, ret. dms., c.l., same basis lb. .67 • —
l.c.l., same basis lb. .67½- —
G-20, 100% solids content, ret. dms., c.l., same basis lb. .78 • —
l.c.l., same basis lb. .78¾- —
G-25, ret. dms., c.l., f.o.b. Bridesburg, Philadelphia, Pa. .76 • —
10-dm. lots, same basis lb. .76½- —
1-9-dm. lots, same basis lb. .77 • —
G-40, ret. dms., c.l., same basis lb. .44¾- —
10-dm. lots, same basis lb. .45¼- —
1-9-dm. lots, same basis lb. .45¾- —
G-50, ret. dms., c.l., same basis lb. .45 • —
10-dm. lots, same basis lb. .45½- —
1-9-dm. lots, same basis lb. .46 • —
RG-2, 60% solids content, ret. dms., c.l., frt. alld., district 1 lb. .43 • —
l.c.l., same basis lb. .43½- —
100% solids content, ret. dms., c.l., same basis lb. .67 • —
l.c.l., same basis lb. .67¾- —
RG-8, 100% solids content, ret. dms., c.l., same basis lb. .54 • —
l.c.l., same basis lb. .54¾- —
PARAPLEX resins, RG-10, 100% solids content, ret. dms., c.l., same basis lb. .54 • —
l.c.l., same basis lb. .54¾- —

Prices on all grades of Paraplex, except G-25, G-40 and G-50, are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. A deposit charge of $4 each is made on all 50-gal. drums. Prices on Paraplex G-25, G-40 and G-50 are subject to certain differentials if shipped from warehouse stocks. For less than 50-gal. drum shipments, add 3c. per lb. to the single drum price, f.o.b. Bridesburg, Philadelphia, Pa.

PENTA resins, 103, dms., incl., non-ret., c.l., dlvd., zone 1 lb. .17 • —
l.c.l., same basis lb. .17½- —
139, dms. incl., non-ret., c.l., same basis lb. .22¼- —
l.c.l., same basis lb. .22¾- —
140, dms. incl., non-ret., c.l., same basis lb. .20¾- —
l.c.l., same basis lb. .21¼- —
PENTACITE resins, P-405, dms. incl., c.l., dlvd., zones 1 and 2 lb. .17½- —
l.c.l., same basis lb. .18 • —
P-406, dms. incl., c.l., same basis. lb. .15 • —
l.c.l., same basis lb. .15½- —
P-423, dms. incl., c.l., same basis. lb. .19½- —
l.c.l., same basis lb. .20 • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

PENTALYN A, non-ret. dms., f.o.b. customer's siding, zone 1 lb. .14¾- —
l.c.l., same basis lb. .15½- —
F, c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 • —
G, c.l., same basis lb. .19½- —
l.c.l., same basis lb. .20 • —
H, c.l., same basis lb. .20 • —
l.c.l., same basis lb. .20½- —
M, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 • —
802A, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 • —
X, c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 • —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

PHENAC, 604-M, dms., c.l., frt. alld. E lb. .21 • —
l.c.l., frt. alld lb. .21½- —
608, c.l., frt. alld lb. .22 • —
l.c.l., frt. alld lb. .22½- —
622-N, c.l., frt. alld lb. .20 • —
l.c.l., frt. alld lb. .20½- —
X-687, c.l., frt. alld lb. .38 • —
l.c.l., frt. alld lb. .38½- —
PICCOLASTIC resins, A-L, A-5, A-25, A-50, A-75, B-50, B-75, B-100, C-5, C-25, C-50, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-50, E-75, E-100, E-125, dms., c.l., f.o.b. Clairton, Pa lb. .22 • —
l.c.l., same basis lb. .22½- —
D-140, dms., c.l., same basis lb. .17 • —
l.c.l., same basis lb. .17½- —
FT, FX, FHF, dms., c.l. same basis lb. .139 • —
l.c.l., same basis lb. .144 • —

Prices are on a net weight basis, containers included, and apply to standard packages only. For other than full drum shipments add 5c. per lb.

PICCOLYTE resins, S-10, S-25, S-40, dms., net. wt., f.o.b. Clairton, Pa., c.l. lb. .15 • —
l.c.l. lb. .15½- —
S-55, S-70, c.l., same basis lb. .15 • —
l.c.l. lb. .15½- —
S-85, S-100, c.l., same basis lb. .15 • —
l.c.l lb. .15½- —
S-115, c.l., same basis lb. .15 • —
l.c.l lb. .15½- —
S-125, c.l., same basis lb. .15¼- —
l.c.l. lb. .15¾- —
Solutions, S-113, 65% solids, dms., incl., c.l., f.o.b. Clairton, Pa. lb. .1195- —
l.c.l., same basis lb. .1245- —
tanks, same basis lb. .1095- —
45% solids, dms., incl., same basis lb. .0895- —
l.c.l., same basis lb. .0945- —
tanks, same basis lb. .0795- —
PICCOUMARON resins, 450-H, 450-I., 450-HL, dms., net wt., solid, f.o.b. Clairton or Chester, Pa., frt. equald lb. .11½- —
450, 450-E, 450-S, same basis lb. .11½- —
450-ES, same basis lb. .11½- —
450, same basis lb. .11½- —
Other 450 series, dms., net. wt., plastic, f.o.b. works, frt. equald lb. .12 • —
440-S, same basis lb. .09½- —
430-H, dms., gross wt., solid, f.o.b. works, frt. equald lb. .07 • —
Other 430 series, dms., net. wt., solid, f.o.b. works, frt. equald. lb. .06½- —
420-H, same basis lb. .10½- —
420-S, 420-E, 420-ES, same basis. lb. .10½- —
422-R, 423-R, 425-R, 427-R. same basis lb .12 • —
Other 420 series, dms., net. wt., plastic, f.o.b. works, frt. equald lb. .10½- —
Picco-10, same basis lb. .12 • —
Picco-25, same basis lb. .12 • —
Picco-75, Picco-100, dms., net wt., solid, f.o.b. works, frt. equald lb. .11½- —
Bunarex-10, dms., net wt., plastic, f.o.b. works, frt. equald lb. .07½- —
XX-25, same basis lb. .07½- —
Bunarex-100, XX-100, same basis. lb. .06½- —
XX-40, same basis lb. .07½- —
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald. lb. .07 • —
XX-70, same basis lb. .06½- —
XX-115, same basis lb. .07 • —
480 series, same basis lb. .15 • —
60-40, same basis lb. .12 • —
43-32, same basis lb. .10 • —
60%, 420-ES sol., non-ret. dms., c.l lb. .09 • —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .08 • —
C.G. (deodorized), dms., net. wt. solid, f.o.b. works, frt. equald lb. .14½- —

Flaked grades, when available, are ½c. per pound higher than net wt. solid, ¾c. higher than gross wt. solid. Prices for other than full-dm. shipments add 5c. per pound.

PLASKON resins, ACC 3103, 60% solids content, dms. incl., 10,000 lbs., dlvd., zones 1 and 3 lb. .27 • —
less than 10,000 lbs., same basis lb. .27½- —
PCC 3115, 60% solids content, dms. incl., 10,000 lbs., same basis lb .25 • —
less than 10,000 lbs., same basis lb. .25½- —
PCC 3120, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3121, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3148, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3149, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .21 • —
less than 10,000 lbs., same basis lb. .21½- —
PCC 3158, 60% solids content, dms. incl., 10,000 lbs., same basis lb. .24½- —
less than 10,000 lbs., same basis lb. .25 • —
PCC 3160, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3175, 60% solids content, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3175, 70% solids content, dms. incl., 10,000 lbs., same basis lb. .22 • —
less than 10,000 lbs., same basis lb. .22½- —
PCC 3177, 70% solids content, dms. incl., 10,000 lbs., same basis lb. .22 • —
less than 10,000 lbs., same basis lb. .22½- —
PCC 3179, 70% solids content, dms. incl., 10,000 lbs., same basis lb. .23 • —
less than 10,000 lbs., same basis lb. .23½ • —
PCC 3181, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .18 • —
less than 10,000 lbs., same basis lb. .18½- —
PCC 3185, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .18½- —
less than 10,000 lbs., same basis lb. .19 • —
PCC 3195, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .23½- —
less than 10,000 lbs., same basis lb. .24 • —
PCC 3252, 50% solids content, dms. incl., 10,000 lbs., same basis lb .21 • —
less than 10,000 lbs., same basis lb. .21½- —
PCC 3254, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .19½- —
less than 10,000 lbs., same basis lb. .20 • —
PCC 3258, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .20½- —
less than 10,000 lbs., same basis lb. .21 • —
PCC 3282, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .15 • —
less than 10,000 lbs., same basis lb. .15½- —
PCC 3300, 50% solids content, dms. incl., 10,000 lbs., dlvd., zone 1 lb. .26 • —
less than 10,000 lbs., same basis lb. .26½- —
PCC 3311, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .26 • —
less than 10,000 lbs., same basis lb. .26½- —
PCC 3371, 50% solids content, dms. incl., 10,000 lbs., same basis lb. .26 • —
less than 10,000 lbs., same basis lb. .26½- —
PCC 3401, dms. incl., 10,000 lbs., dlvd., zones 1 and 3 lb. .19 • —
less than 10,000 lbs., same basis lb. .19½- —
PCC 3402, dms. incl., 10,000 lbs., same basis lb. .19 • —
less than 10,000 lbs., same basis lb. .19½- —
PCC 3450, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .21 • —
PCC 3454, dms. incl., 10,000 lbs., same basis lb. .22½- —
less than 10,000 lbs., same basis lb. .23 • —
PCC 3457, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3480, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3513, dms. incl., 10,000 lbs., same basis lb. .17½- —
less than 10,000 lbs., same basis lb. .18 • —
PCC 3539, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3550, dms. incl., 10,000 lbs., same basis lb. .20 • —
less than 10,000 lbs., same basis lb. .20½- —
PCC 3570, dms. incl., 10,000 lbs., same basis lb. .21 • —
less than 10,000 lbs., same basis lb. .21½- —
PCC 3604, dms. incl., 10,000 lbs., same basis lb. .15 • —
less than 10,000 lbs., same basis lb. .15½- —
PCC 3608, dms. incl., 10,000 lbs., same basis lb. .14½- —
less than 10,000 lbs., same basis lb. .15 • —

Prices are f.o.b. Toledo or Kenilworth, N. J. On shipments of one or more full standard-size drums, freight is prepaid to carriers' stations nearest destination. Zone 1 consists of the United States except California, Oregon, Washington, Colorado, Idaho, Montana, New Mexico, Nevada, Wyoming and Utah. The excepted states comprise zone 3, where prices are ¾c. per lb. higher than listings above. For shipments made in other than standard drums, add 2c. and 2¾c. per lb. for half drums in zone 1 and zone 3, respectively. Five-gal. containers are 3c. higher in zone 1 and 3¾c. more in zone 3.

PLIOLITE, S-5, milled resin, dms., f.o.b. Akron, ton lb. .59 - —
Base, 1A-S-5, titanium dioxide lb. .45 - —
2C-S5, carbon black, same basis lb .50 - —
5-S5, zinc oxide, same basis.. lb. .34 - —
6-S5, red lead, same basis .. lb. .36 - —
7C-S5, Indian red, same basis lb. .49 - —
8A-S5, zinc chromate, same basis lb. .51 —
12-S5, whiting, precipitated, same basis lb. .28 - —
13-S5, China clay, same basis lb. .33 - —
14-S5, lithopone, same basis lb. .31 - —
15-S5, zinc sulphide, same basis lb. .38 - —
17-S5, Prussian blue, same basis lb. .65 - —
35-S5, toluidin toner, medium, same basis lb. .95 - —
38-S5, yellow iron oxide, same basis lb. .45 - —
39C-S-5, C.P., chrome green medium, same basis lb. .59 - —
41A-S-5, C.P., chrome yellow, medium, same basis lb. .46 - —
46C-S5, lampblack, same basis lb. .53 - —
47-S5, high zinc lithopone, same basis lb. .34 - —
64-S5, molybdate orange, dark, same basis lb. .64 - —
65-S5, C.P., chrome yellow, extra light, same basis lb. .51 - —
66-S-5, phthalocyanine ..... lb. .98 - —
68A-S5, C.P., chrome green, extra light, same basis lb. .59 - —
80-S-5, non-yellowing titanium dioxide lb. .45 - —

These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

PLYOPHEN resins, 5000 dms., incl., c.l., dlvd., zones 1 and 2 lb. .21 - —
l.c.l., same basis ..... lb. .21½ - —
5010, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis ..... lb. .20½ - —
5012, dms. incl., same basis .... lb. .17½ - —
l.c.l., same basis ..... lb. .18 - —
5012-T, dms. incl., c.l., same basis lb. .16½ - —
l.c.l., same basis ..... lb. .17 - —
5013, dms. incl., c.l., same basis lb. .18½ - —
l.c.l., same basis ..... lb. .19 - —
5013-T, dms. incl., c.l., same basis lb. .17½ - —
l.c.l., same basis ..... lb. .18 - —
5014, dms. incl., same basis ... lb. .17½ - —
l.c.l., same basis ..... lb. .18 - —
5014-T, dms. incl., c.l., same basis lb. .16½ - —
l.c.l., same basis ..... lb. .17 - —
5015, dms. incl., c.l., same basis lb. .17 - —
l.c.l., same basis ..... lb. .17½ - —
5016, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis ..... lb. .20½ - —
5020, dms. incl. c.l., same basis lb. .20 - —
l.c.l., same basis ..... lb. .20½ - —
5020-T, dms. incl., c.l., same basis lb. .19 - —
l.c.l., same basis ..... lb. .19½ - —
5022, dms. incl., c.l., same basis lb. .21 - —
l.c.l., same basis ..... lb. .21½ - —
5023, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis ..... lb. .25½ - —
5023-A, dms., incl., c.l., same basis lb. .25 - —
l.c.l., same basis ..... lb. .25½ - —
5024, dms. incl., c.l., same basis lb. .24 - —
l.c.l., same basis ..... lb. .24½ - —
5025, dms. incl., c.l., same basis lb. .19½ - —
l.c.l., same basis ..... lb. .20 - —
5030, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis ..... lb. .23½ - —
5031, dms incl., c.l., same basis lb. .24 - —
l.c.l., same basis ..... lb. .24½ - —
5032, dms. incl., c.l., same basis lb. .23 - —
l.c.l., same basis ..... lb. .23½ - —
5040, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis ..... lb. .20½ - —
5041, dms. incl., c.l., same basis lb. .20 - —
l.c.l., same basis ..... lb. .20½ - —
6000, dms. incl., c.l., same basis lb. .58 - —
l.c.l., same basis ..... lb. .58½ - —
6002, dms. incl., c.l., same basis lb. .28 - —
l.c.l., same basis ..... lb. .28½ - —
P-375, dms. incl., c.l., same basis lb. .25 - —
l.c.l., same basis ..... lb. .25½ - —
P-396, dms. incl., c.l., same basis lb. .10½ - —
l.c.l., same basis ..... lb. .11 - —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

Polyamide ED, Nos. 93, 94, and 95 f.o.b. works, l.c.l. quantities lb. .55 —
POLYCO 117-H, polyvinyl acetate, bbls., c.l., f.o.b. Peabody, Mass lb. 20½ - —
bbls., l.c.l., same basis .... lb. 22 - .22½

Freight allowed to city of destination East of the Mississippi River, or freight allowance not to exceed 1½c. per net lb. of emulsion for points West of the Mississippi River.

144, polyacrylate, bbls., c.l., f.o.b. Peabody, Mass lb. 28 —
bbls., c.l., same basis ..... lb. .29 - .30
265, polyvinyl acetate in acetone, bbls., c.l., same basis lb. .25½ - —
bbls., l.c.l., same basis .... lb. .26½ - .27½
301, polyvinyl acetate in toluol, bbls., c.l., same basis lb. .20½ - —
bbls., l.c.l., same basis .... lb. .21½ - .22½
309, polyvinyl acetate in ethanol, bbls., c.l., same basis lb. .25½ - —
bbls., l.c.l., same basis .... lb. .26½ - .27½
310, polyvinyl acetate in xylol, bbls., c.l., same basis lb. .20½ - —
bbls., l.c.l., same basis .... lb. .21½ - .22½
346, polyvinyl acetate in methanol, bbls., c.l., same basis lb. .17½ - —
bbls., l.c.l., same basis .... lb. .18½ - .19½
Polyethylene resins, DYGT, granular, bgs., c.l. C30,000 lbs.), f.o.b. South Charleston, W. Va lb. .60 - —
10,000 lbs. to 29,999 lbs., same basis lb. .60½ - —
200 lbs. to 9,999 lbs., same basis lb. .61 - —
1 lb. to 199 lbs., same basis. lb. .64 - —
DYLT, granular, bgs., c.l. C30,000 lbs.), same basis lb. .56 - —
10,000 lbs. to 29,999 lbs., same basis lb. .56½ - —
200 lbs. to 9,999 lbs., same basis lb. .57 - —
1 lb. to 199 lbs., same basis. lb. .60 - —

POLYETHYLENE resins, DYNF, granular, bgs., same basis. lb. .44 - —
DYNH, granular, bgs., same basis. lb. .44 - —
DYNJ, granular, bgs., same basis. lb. .47 - —
POLYPALE ester, No. 1, non-ret. dms. c.l., dlvd., zone 1 lb. .14¾ - —
l.c.l., same basis ..... lb. .15¼ - —
No. 10, c.l., same basis ..... lb. .16 - —
l.c.l., same basis ..... lb. .16½ - —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

R

R-B-H resin, 510, bbls., c.l. or full truck load, f.o.b. Bauer, Utan lb. .13½ -
l.c.l., f.o.b. Round Brook, N. J. lb. .16½ .20
RESIMENE 875, non-ret. dms., c.l., f.o.b. Springfield, Mass lb. .39¼ —
non-ret. dms., l.c.l., same basis. lb. .39¾ - —
5-gal. containers, same basis lb. .43¾ - —
877, non-ret. dms., c.l., same basis. lb. .36½ —
non-ret. dms., l.c.l., same basis. lb. .37 - —
5-gal. containers, same basis lb. .49 - —
878, non-ret. dms., c.l., same basis. lb. .39½ —
non-ret. dms., l.c.l. same basis. lb. .40 - —
5-gal. containers, same basis lb. .52 - —
881, non-ret. dms., c.l., same basis. lb. .43½ —
non-ret. dms., l.c.l., same basis. lb. .44 - —
5-gal. containers, same basis lb. .56 - —

RESIMENE 882, non-ret., dms., c.l., same basis lb. .44 - —
non-ret. dms., l.c.l., same basis. lb. .44½ —
5-gal. containers, same basis lb. .36½ - —

Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

REZYL, 14-7E-75, dms., c.l., frt. alld. E lb. .44½ —
l.c.l., ... lb. .45 - —
36-4, c. l. same basis ..... lb. .42¼ - —
l.c.l., same basis ..... lb. .42¾ - —
50-5, c.l., same basis ..... lb. .29 - —
l.c.l., same basis ..... lb. .29½ - —
92-5, c.l., same basis ..... lb. .28 - —
l.c.l. ..... lb. .28½ - —
99-4-60, c.l., same basis .... lb. .26 - —
l.c.l. ..... lb. .26½ - —
99-5, c.l., same basis ..... lb. .26 - —
l.c.l. ..... lb. .26½ - —
310-5, c.l., same basis ..... lb. .23½ - —
l.c.l. ..... lb. .24 - —
330-5, c.l., same basis ..... lb. .23½ - —
l.c.l. ..... lb. .24 - —
387-5, c.l., same basis ..... lb. .23½ - —
l.c.l. ..... lb. .24 - —
412-1, c.l., same basis ..... lb. .20 - —
l.c.l. ..... lb. .20½ - —
435-1, c.l., same basis ..... lb. .20 - —
l.c.l. ..... lb. .20½ - —
729-5, c.l., same basis ..... lb. .24 - —
l.c.l. ..... lb. .24½ - —
729-5, c.l., same basis ..... lb. .20 - —
l.c.l. ..... lb. .20½ - —
731-5, c.l., same basis ..... lb. .23½ - —
l.c.l. ..... lb. .26¼ - —
775-1, c.l., same basis ..... lb. .20 - —
l.c.l. ..... lb. .20½ - —

REZYL, 775-4, c.l., same basis .... lb. .28 - —
l.c.l. ..... lb. .28½ - —
784-1, c.l., same basis ..... lb. .23¾ - —
l.c.l. ..... lb. .24¼ - —
807-1, c.l., same basis ..... lb. .22½ - —
l.c.l. ..... lb. .23 - —
811-1, c.l., same basis ..... lb. .20 - —
l.c.l. ..... lb. .20½ - —
823-1, c.l., same basis ..... lb. .22 - —
l.c.l. ..... lb. .22½ - —
868-1, c.l., same basis ..... lb. .27 - —
l.c.l. ..... lb. .27½ - —
869-1, c.l., same basis ..... lb. .32 - —
l.c.l. ..... lb. .32½ - —
872-1, c.l., same basis ..... lb. .22 - —
l.c.l. ..... lb. .22½ - —
873-1-70, c.l., same basis .... lb. .23 - —
l.c.l. ..... lb. .23½ - —
1102-5, c.l., same basis ..... lb. .23½ - —
l.c.l. ..... lb. .24 - —
solid 99, c.l., same basis ..... lb. .42½ - —
l.c.l. ..... lb. .43 - —
X-315, c.l., same basis ..... lb. .37½ - —
l.c.l. ..... lb. .38 - —
869, c.l., same basis ..... lb. .45 - —
l.c.l. ..... lb. .45½ - —

Tankcar shipments, where applicable, are priced 1c. per lb. below c.l. quotations.

S

SANTOLITE MHP, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis lb. .35 - —
25,000-lb. lots, same basis .... lb. .36 - —
5,000-lb. lots, same basis .... lb. .37 - —
1,000-lb. lots and less, same basis lb. .38 - .40
MS 80% solution, 540-lb. dms., incl., 25,000-lb. lots, same basis lb. .35 - —
5,000-lb. lots, same basis .... lb. .36 - —
1,000-lb. lots and less, same basis lb. .36½ - .41½

The New Look in Coatings

the secret behind High-Gloss, Non-Hazing Finishes is—

the New Aroplaz 1248-M

For years, you've been asking for a pure phthalic alkyd resin that would provide finishes with brilliant gloss and gloss-retention . . . that would always give you a glistening mirror-like surface . . . that would *not* haze—particularly in the presence of zinc oxide.

Here it is at last. It's the *new* Aroplaz 1248-M—the result of years of testing and development. Use it with complete confidence for your architectural paints and enamels.

Complete data and samples are yours for the asking. Why not write for them today?

SPECIFICATIONS AROPLAZ 1248-M

Non-Volatile:	69-71%
Solvent:	Mineral Spirits
Viscosity (G-H):	Z-Z₂ (22.7-36.2 poises)
Color (Gardner Stds-1933):	7-9
Acid Value of Non-Volatile:	8-12
Wt. per gal. @ 25° C. (Solution):	8.05-8.15 lbs.

U.S.I. USTRIAL CHEMICALS, INC.

60 East 42nd Street, New York 17, N. Y.

Branches in all principal cities

To keep the upkeep down on the farm

USE 2532 GLYPTAL*

Tractor finishes stand up better when their formulations contain 2532 Glyptal. This medium length drying-oil alkyd solution is designed principally for a coat that is low in cost yet durable. Its tested uses are in structural and automotive primers, maintenance paints, porch and floor paints, colored household enamels, traffic paints, and finishes for transportation equipment. An unlimited amount of aliphatic solvent can be used with 2532 Glyptal.

G-E GLYPTAL
ALKYD RESINS

A G-E specialist is always available to discuss your paint problems. Just write to the Chemical Department, General Electric Company, Schenectady 5, N.Y.

Properties of 2532 Glyptal*

Solids content	49-51%
Solvent	Petroleum Spirits
Viscosity	Z2-Z4
Color	6 Max.
Acid No. of solution	7-10
Pounds per gallon	7.6
Pigment compatibility	Good
Air dry—setting time	Medium
Through dry	Good
Baking speed	Medium
Hardness	Good
Gloss	Excellent
Gloss retention	Excellent
Color retention	Good
Water resistance	Excellent
Oil and gasoline resistance	Excellent
Weather resistance	Excellent
Specific gravity (resin)	1.10
Phthalic anhydride	33%
Rosin or derivatives	None
Oil acids content	50%
Type of oil	Linseed

*Reg. U.S. Pat. Off.

GENERAL ELECTRIC

CD49-P1

DUREZ RESIN NEWS

DUREZ 220V RESIN

DUREZ 220V RESIN is a pale, high-melting modified phenolic resin similar to Durez 220 and has the great advantage of a higher viscosity in solvents and oils. It is well suited for use in all general type varnishes and enamel liquid formulations based on slow bodying and soft drying oils. Substituted directly for any hard resin without alterations in cooking procedures, it produces excellent results in bodying, color, viscosity, dry, and flexibility.

ARCHITECTURAL FINISHES. Durez 220V Resin makes varnishes sufficiently flexible for exterior use, and at the same time its drying speed and hardness recommend it for interior finishes ranging all the way from floor varnishes to enamels and trim colors.

ALKYD RESIN ENAMELS. Because of the low acid number of Durez 220V Resin and the almost completely reacted condition of the components, it is preferable to cook Durez 220V Resin into a varnish and then blend with the alkyd. This procedure is quite different from that recommended for Durez 219 and 209. A Durez 220V Resin varnish blended with the alkyd will increase gloss, water resistance, and brushability.

MARINE FINISHES. Varnishes made from Durez 220V Resin make excellent vehicles for cabin colors. Their resistance to moisture, combined with good gloss and color stability, is outstanding. For marine engine enamels we recommend the inclusion of 10-15% of a pure phenolic resin to increase gasoline and oil resistance.

FOR SAMPLES. Samples and further information will be furnished promptly on request. Durez Plastics & Chemicals, Inc., Walck Rd., N. Tonawanda, N. Y.

31

PHYSICAL PROPERTIES OF DUREZ 220V RESIN

Melting Point	282° to 288°F. (Capillary Method)
Acid Number	10 to 14
Color	WW to WG
Refractive Index	1.553
Specific Gravity	1.102
Weight per gal.	9.18 lb.

DUREZ . . . RESINS THAT FIT THE JOB

SARAN F-120 resin, c.l., works . . . lb. .52 • —
l.c.l., same basis . . . lb. .54 • —

SCHENECTADY resins, SA-301, non-ret. dms., c.l., f.o.b. Schenectady, N. Y., transportation prepaid and alld. to dest.
lb. .25 • —
l.c.l., same basis . . . lb. .25½ • —
SA-302, non-ret. dms., c.l., same basis . . . lb. .24½ • —
l.c.l., same basis . . . lb. .25 • —
SA-303, non-ret. dms., c.l., same basis lb. .17½ • —
l.c.l., same basis . . . lb. .18 • —
SA-305, non-ret. dms., c.l., same basis lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
SA-307, non-ret. dms., c.l., same basis lb. .22 • —
l.c.l., same basis . . . lb. .22½ • —
SA-309, non-ret. dms., c.l., same basis lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
SA-400, non-ret. dms., c.l., same basis lb. .24 • —
l.c.l., same basis . . . lb. .24½ • —
SA-401, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . lb. .23½ • —
SA-402, non-ret. dms., c.l., same basis lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
SA-402H, non-ret. dms., c.l., same basis lb. .20 • —
l.c.l., same basis . . . lb. .20½ • —
SA-403, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . lb. .23½ • —
SA-404, non-ret. dms., c.l., same basis lb. .23½ • —
l.c.l., same basis . . . lb. .24 • —
SA-406, non-ret. dms., c.l., same basis lb. .27¼ • —
l.c.l., same basis . . . lb. .27¾ • —
SA-407, non-ret. dms., c.l., same basis lb. .22¼ • —
l.c.l., same basis . . . lb. .22¾ • —
SA-408, non-ret. dms., c.l., same basis lb. .26 • —
l.c.l., same basis . . . lb. .26½ • —
SA-500, non-ret. dms., c.l., same basis lb. .19 • —
l.c.l., same basis . . . lb. .19½ • —
SA-500-A, non-ret. dms., c.l., same basis lb. .21¾ • —
l.c.l., same basis . . . lb. .22¼ • —
SA-501, non-ret. dms., c.l., same basis lb. .22 • —
l.c.l., same basis . . . lb. .22½ • —
SA-502, non-ret. dms., c.l., same basis lb. .21½ • —
l.c.l., same basis . . . lb. .22 • —
SA-503, non-ret. dms., c.l., same basis lb. .19 • —
l.c.l., same basis . . . lb. .19½ • —
SA-504, non-ret. dms., c.l., same basis lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
SA-505, non-ret. dms., c.l., same basis lb. .23½ • —
l.c.l., same basis . . . lb. .24 • —
SA-506, non-ret. dms., c.l., same basis lb. .19¾ • —
l.c.l., same basis . . . lb. .20¼ • —
SA-600, non-ret. dms., c.l., same basis lb. .22 • —
l.c.l., same basis . . . lb. .22½ • —
SA-600-A, non-ret. dms., c.l., same basis lb. .20 • —
l.c.l., same basis . . . lb. .20½ • —
SA-601, non-ret. dms., c.l., same basis lb. .27½ • —
l.c.l., same basis . . . lb. .28 • —
SA-604, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . lb. .23½ • —
SA-605, non-ret. dms., c.l., same basis lb. .28½ • —
l.c.l., same basis . . . lb. .29 • —
SP-30, non-ret. dms., c.l., same basis lb. .18¾ • —
l.c.l., same basis . . . lb. .19¼ • —
SP-31, non-ret. dms., c.l., same basis lb. .20 • —
l.c.l., same basis . . . lb. .20½ • —
SP-40, non-ret. dms., c.l., same basis lb. .20¾ • —
l.c.l., same basis . . . lb. .21¼ • —
SP-41, non-ret. dms., c.l., same basis lb. .20¾ • —
l.c.l., same basis . . . lb. .21¼ • —
SP-60, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . lb. .23½ • —
SP-62, non-ret. dms., c.l., same basis lb. .25½ • —
l.c.l., same basis . . . lb. .26 • —

Tankcar price is 1c. per lb. less than carload price. Freight is not paid or allowed to points south of Virginia and Kentucky, or west of the Mississippi River, excepting cities of St. Louis and Minneapolis. If shipments are specified by transportation means with rates in excess of minimum, the excess transportation will be charged to customer.

SILENE (see Calcium silicate hydrated under C in Current Market Quotations).

STAYBELITE ester, No. 1, non-ret. dms., c.l., f.o.b. customer's siding, zone 1 lb. .20 • —
l.c.l., same basis . . . lb. .20½ • —
No. 2, c.l., same basis . . . lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
No. 3, c.l., same basis . . . lb. .24 • —
l.c.l., same basis . . . lb. .24½ • —
No. 5, c.l., same basis . . . lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
No 10, c.l., same basis . . . lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
No. 2043-66, c.l., same basis . . . lb. .21½ • —
l.c.l., same basis . . . lb. .22 • —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

STRESEN-REUTER resins, 5511-1, dms., c.l., frt. alld., zone 1 lb. .22 • —
l.c.l., same basis . . . lb. .22½ • —
5513-1, dms., c.l., same basis . . . lb. .22 • —
l.c.l., same basis . . . lb. .22½ • —
5515-1, dms., c.l., same basis . . . lb. .20 • —
l.c.l., same basis . . . lb. .20½ • —
5523-1, dms., c.l., same basis . . . lb. .30 • —
l.c.l., same basis . . . lb. .30½ • —
5525-1, dms., c.l., same basis . . . lb. .13½ • —
l.c.l., same basis . . . lb. .14 • —
5526-1, dms., c.l., same basis . . . lb. .13½ • —
l.c.l., same basis . . . lb. .14 • —
5530-1, dms., c.l., same basis . . . lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —
5535-1, dms., c.l., same basis . . . lb. .21 • —
l.c.l., same basis . . . lb. .21½ • —

Prices are f.o.b. Chicago, Ill., with minimum freight allowed to destination in zone 1, which includes the Midwestern states. For zone 2, which includes the Eastern and Southern states, add 1½c. per lb. to the above prices. Ten-drum lots are ¼c. per lb. higher than c.l. prices above, while tankcar quantities are ¼c. per lb. below c.l. listings.

STYRESOL resins, 4250, dms., incl., c.l., dlvd. zones 1 and 2 . . lb. .23 • —
l.c.l., same basis . . . . . lb .23½ • —

STYRESOL resins, 4400, dms., incl., c.l., same basis . . . . . lb. .23 • —
l.c.l., same basis . . . . . lb. .23½ • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

SUPER-BECKACITE resins, 1001, dms. incl., c.l., dlvd., zones 1 and 2 lb. .34 • —
l.c.l., same basis . . . . . lb. .34½ • —
1003, dms., incl., c.l., same basis, lb. .32 • —
l.c.l., same basis . . . . . lb. .32½ • —
2000, dms., incl., c.l., same basis, lb. .30 • —
l.c.l., same basis . . . . . lb. .30½ • —
2100, dms. incl., c.l., same basis, lb. .22 • —
l.c.l., same basis . . . . . lb. .22½ • —
3011, dms. incl., c.l., same basis, lb. .33 • —
l.c.l., same basis . . . . . lb. .33½ • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For less-than-full-drum amounts, add 3c. per lb. to the l.c.l. listing.

SUPER-BECKAMINE resins, 3501, dms. incl., c.l., dlvd., zones 1 and 2 lb. .30 • —
l.c.l., same basis . . . . . lb. .30½ • —
3515, dms. incl., c.l., same basis lb. .34 • —
l.c.l., same basis . . . . . lb. .34½ • —

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. For tankcar quantities, deduct 1c. per lb. from the c.l. quotation. For less-than-full-drum amounts, add 2c. to the l.c.l. listing.

SYNARYL resins, S-78, dms. incl., non-ret., c.l., dlvd., zone 1, lb. .30 • —
l.c.l., same basis . . . . . lb. .31 • —
109-A, dms., incl., non-ret., c.l., same basis lb. .21 • —
l.c.l., same basis . . . . . lb. .21½ • —
121, dms. incl., non-ret., c.l., same basis lb. .22 • —
l.c.l., same basis . . . . . lb. .22½ • —
134, dms. incl., non-ret., c.l., same basis lb. .22 • —
l.c.l., same basis . . . . . lb. .22½ • —
155, dms. incl., non-ret., c.l., same basis lb. .23½ • —
l.c.l., same basis . . . . . lb. .24 • —
234, dms. incl., non-ret., c.l., same basis lb. .23 • —
l.c.l., same basis . . . . . lb. .23½ • —
235, dms. incl., non-ret., c.l., same basis lb. .22 • —
l.c.l., same basis . . . . . lb. .22½ • —

SYNTEX resins, H-3, 100% solids, non-ret. dms., c.l., f.o.b., Louisville, Ky. lb. .21½ • —
l.c.l., same basis . . . . . lb. .22 • —
9 (or 1922) 50% solids, non-ret. dms., c.l., same basis lb. .23½ • —
l.c.l., same basis . . . . . lb. .24 • —
H-12, 50% solids, non-ret. dms., c.l., same basis lb. .23½ • —
l.c.l., same basis . . . . . lb. .24 • —
16, 60% solids, non-ret. dms., c.l., same basis lb. .27¼ • —
l.c.l., same basis . . . . . lb. .27¾ • —
19-B, 50% solids, non-ret. dms., c.l., same basis lb. .26 • —
l.c.l., same basis . . . . . lb. .26½ • —
19-C, 45% solids, non-ret. dms., c.l., same basis lb. .21¼ • —
l.c.l., same basis . . . . . lb. .21¾ • —
23, 50% solids, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . . . lb. .23½ • —
23-5D, 50% solids, non-ret. dms., c.l., same basis lb. .20 • —
l.c.l., same basis . . . . . lb. .20½ • —
26, 50% solids, non-ret. dms., c.l., same basis lb. .21 • —
l.c.l., same basis . . . . . lb. .21½ • —
28, 65% solids, non-ret. dms., c.l., same basis lb. .27 • —
l.c.l., same basis . . . . . lb. .27½ • —
32, 50% solids, non-ret. dms., c.l., same basis lb. .19¾ • —
l.c.l., same basis . . . . . lb. .20¼ • —
40, 70% solids, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . . . lb. .23½ • —
54, 50% solids, non-ret. dms., c.l., same basis lb. .19¾ • —
l.c.l., same basis . . . . . lb. .20¼ • —
55, 50% solids, non-ret. dms., c.l., same basis lb. .26 • —
l.c.l., same basis . . . . . lb. .26½ • —
56, 70% solids, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . . . lb. .23½ • —
60-A, 70% solids, non-ret. dms., c.l., same basis lb. .23 • —
l.c.l., same basis . . . . . lb. .23½ • —
115, 45% solids, non-ret. dms., c.l., same basis lb. .18 • —
l.c.l., same basis . . . . . lb. .18½ • —
115-D, 45% solids, non-ret. dms., c.l., same basis lb. .16½ • —
l.c.l., same basis . . . . . lb. .17 • —
121, 50% solids, non-ret. dms., c.l., same basis lb. .25 • —
l.c.l., same basis . . . . . lb. .25½ • —
128, 60% solids, non-ret. dms., c.l., same basis lb. .17 • —
l.c.l., same basis . . . . . lb. .17½ • —
130, 50% solids, non-ret. dms., c.l., same basis lb. .22 • —
l.c.l., same basis . . . . . lb. .22½ • —
131, 40% solids, non-ret. dms., c.l., same basis lb. .16¼ • —
l.c.l., same basis . . . . . lb. .16¾ • —
133, 50% solids, non-ret. dms., c.l., same basis lb. .18 • —
l.c.l., same basis . . . . . lb. .18½ • —
1979, 50% solids, non-ret. dms., c.l., same basis lb. .25 • —
l.c.l., same basis . . . . . lb. .25½ • —

Prices are f.o.b. point of manufacture, freight prepaid and allowed to all destinations in the U.S.A. except the states of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming.

For shipments to the states listed above add ¾c. per pound to the l.c.l. price; for carloads add ½c. to the carload price.
Syntex Resins and Solutions may be assorted to get quantity price. For shipment in five-gallon pails, add 4c. per pound.

SYNTHE-COPAL resins, high acid, dms. incl., c.l., dlvd., zones 1 and 2 . . lb. .14¼ • —
l.c.l., same basis . . . . . lb. .14¾ • —
Low acid, dms. incl., c.l., same basis . . lb. .14¾ • —
l.c.l., same basis . . . . . lb. .15¼ • —

SYNTHE-COPAL resins, 1202, dms., incl., c.l., same basis	lb.	.14¾-	—
l.c.l., same basis	lb.	.15¼-	—
1204, dms. incl., c.l., same basis	lb.	.14¾-	—
l.c.l., same basis	lb.	.15¼-	—
1210, dms. incl., c.l., same basis	lb.	.12¾-	—
l.c.l., same basis	lb.	.13¼-	—
P-231, dms. incl., c.l., same basis,	lb.	.16¾-	—
l.c.l., same basis	lb.	.17¼-	—
P-261, dms. incl., c.l., same basis,	lb.	.16¼-	—
l.c.l., same basis	lb.	.16¾-	—
P-377, dms. incl., c.l., same basis,	lb.	.11 -	—
l.c.l., same basis	lb.	.11½-	—

These prices apply in all states except Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. In Colorado, printed prices apply on an f.o.b. Kansas City basis. For delivered prices in other excepted states, consult Reichhold's zone 3 price schedule. P-377 is available in tankcar quantities at 1c. per lb. below the c.l. quotation. For less-than-full-drum amounts of this material, add 2c. per lb. to the l.c.l. listing. Other grades in less-than-full-drum are 3c. per lb. higher than the l.c.l. price.

SYNVARITE resins, POS-50, dms., c.l., f.o.b. Wilmington, Del.	lb.	.36 -	—
l.c.l., same basis	lb.	.36½-	—
POS-55, dms., c.l., same basis	lb.	.37 -	—
l.c.l., same basis	lb.	.37½-	—
POS-56, dms., c.l., same basis	lb.	.39 -	—
l.c.l., same basis	lb.	.39½-	—

Minimum freight allowed.

SYNVAROL resins, BX, dms., c.l., f.o.b. Wilmington, Del.	lb.	.26 -	—
l.c.l., same basis	lb.	.26½-	—
BX-5, dms., c.l., same basis	lb.	.27½-	—
l.c.l., same basis	lb.	.28 -	—

Minimum freight allowed.

T

TEGLAC, 15, dms., c.l., frt. alld. E.	lb.	.25 -	—
l.c.l., same basis	lb.	.25½-	—
127, c.l., frt. alld	lb.	.21 -	—
l.c.l., same basis	lb.	.21½-	—
128, c.l., frt. alld	lb.	.21 -	—
l.c.l., same basis	lb.	.21½-	—
Z-152, c.l., frt. alld	lb.	.20 -	—
l.c.l., same basis	lb.	.20½-	—
161, c.l., frt. alld	lb.	.19½-	—
l.c.l., same basis	lb.	.20 -	—
164, c.l., frt. alld	lb.	.21½-	—
l.c.l., same basis	lb.	.22 -	—

U

UFORMITE resins, F-200E, 50% solids content, ret. dms., c.l., frt. alld., district 1	lb.	.26 -	—
l.c.l., same basis	lb.	.26½-	—
F-226E, 50% solids content, ret. dms., c.l., same basis	lb.	.37½-	—
l.c.l., same basis	lb.	.38 -	—
F-240, 60% solids content, ret. dms., c.l., same basis	lb.	.30 -	—
l.c.l., same basis	lb.	.30½-	—
F-240N, 60% solids content, ret. dms., c.l., same basis	lb.	.30 -	—
l.c.l., same basis	lb.	.30½-	—
MM-55, 50% solids content, ret. dms., c.l., same basis	lb.	.39 -	—
l.c.l., same basis	lb.	.39½-	—
MM-55HV, 50% solids content, ret. dms., c.l., same basis	lb.	.39 -	—
l.c.l., same basis	lb.	.39½-	—
MU-56, 50% solids content, ret. dms., c.l., same basis	lb.	.29 -	—
l.c.l., same basis	lb.	.39½-	—
MX-61, 60% solids content, ret. dms., c.l., same basis	lb.	.45 -	—
l.c.l., same basis	lb.	.45½-	—

Prices are f.o.b. Bridesburg, Philadelphia, Pa., with minimum transportation charges allowed to destination in district 1 on shipments of one standard drum or more. District 1 comprises any point in the United States or Canada except for points in Arizona, British Columbia, California, Colorado, Idaho, Manitoba, Montana, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming. Tankcar deliveries are priced 1c. per lb. below carlot listings. A deposit charge of $4 each is made on all 50-gal. drums.

V

VALITE 7796-D, bgs., c.l. (80,000 lbs. and over), f.o.b. Lockport, La.	lb.	.16 40-	—
20,000 lbs. to 79,999 lbs., same basis	lb.	.17 -	—
less than 20,000 lbs., same basis	lb.	.18 -	.20
8123, dms., c.l. (36,000 lbs. and over), same basis	lb.	.12½-	—
9,000 to 35,999 lbs., same basis	lb.	.13 -	—
less than 9,000 lbs., same basis	lb.	.14 -	.18

Resin 8123 prices are based on alcohol solution of approximately 60% net resin content, but will be correspondingly adjusted for any variations therefrom.

VANADISE resins, grade B, 240-255° F. m.p., whse.	lb.	.028 -	.052
C, 315-340° F. m.p., whse.	lb.	.021 -	.050
D, 170-180° F. m.p., whse.	lb.	.030 -	.055
MR, 260-270° F. m.p., whse	lb.	.024 -	.050
pulverized, whse	lb.	.085 -	.150
solution, whse	lb.	.19 -	.40
VELSICOL AB-11-2, non-ret. dms., c.l., f.o.b. Marshall, Ill.	lb.	.11¼-	—
l.c.l., same basis	lb.	.11½-	—
AD-6-S, non-ret. dms., c.l., same basis	lb.	.14 -	—
l.c.l., same basis	lb.	.14½-	—
AD-6-7, non-ret. dms., c.l., same basis	lb.	.11¼-	—
l.c.l., same basis	lb.	.12 -	—
AD-10, non-ret. dms., c.l., same basis	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Solutions, AB-200, non-ret. dms., c.l., same basis	lb.	.09⅞-	—
l.c.l., same basis	lb.	.10⅜-	—
tanks, same basis	lb.	.08½-	—
AB-201-S, non-ret. dms., c.l., same basis	lb.	.10⅜-	—
l.c.l., same basis	lb.	.11¼-	—
tanks, same basis	lb.	.09⅜-	—
AD-660, non-ret. dms., c.l., same basis	lb.	.11⅝-	—
l.c.l., same basis	lb.	.12⅛-	—
tanks, same basis	lb.	.10⅛-	—
AD-670, non-ret. dms., c.l., same basis	lb.	.12⅝-	—
l.c.l., same basis	lb.	.13¼-	—
tanks, same basis	lb.	.11¼-	—
VINSOL resin, c.l., f.o.b. works,	lb.	.05 -	—
1,000 lbs., same basis	lb.	.06 -	—
500 lbs. to 950 lbs., same basis,	lb.	.06½-	—
less than 500 lbs., same basis,	lb.	.09 -	—
Vinyl acetate resin, AYAA, AYAF, AYAT, granular, paper bgs., c.l. (30,000 lbs.), dlvd.	lb.	.40 -	—
2,000 to 29,999 lbs., same basis	lb.	.43 -	—
200 to 1,999 lbs., same basis	lb.	.45 -	—
1 to 199 lbs., same basis	lb.	.60 -	—

VINYL acetate resin, AYAC, solid, paper bgs., or fiber ctns., c.l. (30,000 lbs.), same basis	lb.	.43 -	—
2,000 to 29,999 lbs., same basis	lb.	.45 -	—
200 to 1,999 lbs., same basis	lb.	.47 -	—
1 to 199 lbs., same basis	lb.	.62 -	—
Butyral resin, XYHL, XYSG, flake, paper bgs., c.l. (30,000 lbs.), same basis	lb.	1.01 -	—
10,000 to 29,999 lbs., same basis	lb.	1.03 -	—
200 to 9,999 lbs., same basis	lb.	1.04 -	—
1 to 199 lbs., same basis	lb.	1.21 -	—
Chloride resin, QYNA, powdered, paper bgs., c.l., (30,000 lbs.), same basis	lb.	.34 -	—
10,000 to 29,999 lbs., same basis	lb.	.36 -	—
200 to 9,999 lbs., same basis	lb.	.37½-	—
1 to 199 lbs., same basis	lb.	.54 -	—
Chloride-acetate resin, VMCH, powdered, paper bgs., c.l. (30,000 lbs.), same basis	lb.	.40 -	—
10,000 to 29,999 lbs., same basis	lb.	.42 -	—
200 to 9,999 lbs., same basis	lb.	.43½-	—
1 to 199 lbs., same basis	lb.	.60 -	—
VYCM, powdered, paper bgs., c.l. (30,000 lbs.), same basis	lb.	.39 -	—
10,000 to 29,999 lbs., same basis	lb.	.41 -	—

VINYL chloride-acetate resin, VYCM, powdered, paper bgs., 200 to 9,999 lbs., same basis	lb.	.42½-	—
1 to 199 lbs., same basis	lb.	.59 -	—
VYDR, VYHH, VYLF, VYNU, VYNV, VYNW, VYNY, powdered, paper bgs., c.l. (30,000 lbs.), same basis	lb.	.34 -	—
10,000 to 29,999 lbs., same basis	lb.	.36 -	—
200 to 9,999 lbs., same basis	lb.	.37½-	—
1 to 199 lbs., same basis	lb.	.54 -	—
VYNS, powdered, paper bgs., c.l. (30,000 lbs.), same basis	lb.	.45 -	—
10,000 to 29,999 lbs., same basis	lb.	.47 -	—
200 to 9,999 lbs., same basis	lb.	.48½-	—
1 to 199 lbs., same basis,	lb.	.65 -	—

When more than one grade of resin is required, the price of a combination shipment is determined by the total amount of resin released in a single shipment against a single order when all the resins are produced at and shipped from the same plant. For vinyl acetate, vinyl chloride and vinyl chloride-acetate resins, add 5c. per lb. for less than standard bag quantities.

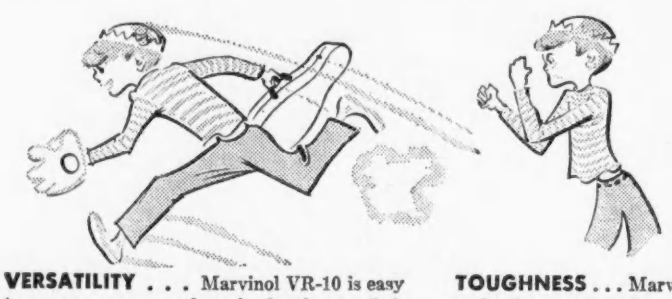
VINYLITE resin, AYAB, solution 70, 69-72% by weight in acetone, non-ret. dms., dm. lots, same basis	gal.	4.63 -	—
less dm. lots, same basis	gal.	5.25 -	—
VINYLITE resin, AYAF, solution 35, 35% by weight in acetone, non-ret. dms., dm. lots, same basis.	gal.	2.25 -	—
less dm. lots, same basis	gal.	2.75 -	—
Alcohol-acetate resin, solution MA-28-14, MA-28-18, 28% by weight in 82% methyl acetate, non-ret. dms., 20-dm. lots, same basis	gal.	2.25 -	—
dm. lots, same basis	gal.	2.55 -	—
less dm. lots, same basis,	gal.	2.90 -	—
solution T-24-9, 24.5% by weight in toluene, non-ret. dms., 20-dm. lots, same basis	gal.	2.10 -	—
dm lots, same basis	gal.	2.40 -	—
less dm. lots, same basis,	gal.	2.75 -	—

Packing charge of $1 per gal. for one-gal containers. Five-gal. cbys. returnable.

Lithgow Opens Connecticut Plant

The Lithgow Corporation, Chicago, has opened a plant in Norwalk, Conn., for the application of phenolic resin protective linings. The linings are used for the protection of storage and process tanks, pipe and fittings, tankcars and other industrial equipment, and the company expects the new plant to increase service to the chemical, food, beverage, paper and process industries in the east.

STABILITY . . . Marvinol VR-10 is superior in resistance to heat, light and other normally destructive factors.



VERSATILITY . . . Marvinol VR-10 is easy to process . . . may be calendered, extruded, injection molded, used in non-aqueous dispersions, formulated as unplasticized rigids . . . uniquely versatile.

TOUGHNESS . . . Marvinol's high molecular weight offers you extra toughness and "dryness" with long life . . . resists tear, wear, oils, acids.

. . . *here's why industry is turning to*
MARVINOL® *the unique* **VINYL RESIN**

COLOR . . . Marvinol offers many opportunities for distinctive coloring . . . from clear to delicate or brilliant shades.

WIDER TEMPERATURE RANGE . . . Marvinol VR-10 assures you products that show less deformation due to heat . . . gives greater low temperature flexibility.

EASILY CLEANED . . . Marvinol-based products are easily and quickly cleaned because of their smooth surface. They're waterproofed, unaffected by mold or fungi.

The New Ultra-Modern Marvinol Plant contains the latest equipment to assure efficient operation, uniform production of the highest quality. Send today for details. Write on your company letterhead to Chemicals Division, Dept. O-1, The Glenn L. Martin Company, Baltimore 3, Maryland.

CLOSE COOPERATION . . . The Glenn L. Martin Co. compounds and fabricates only in its customer service laboratory for your benefit. We sell only raw materials. Our sales engineers and modern customer research laboratory are ready to help with your processing problems.

Martin® Marvinol

RESINS, PLASTICIZERS AND STABILIZERS PRODUCED BY THE CHEMICALS DIVISION OF
THE GLENN L. MARTIN COMPANY • AN INTERNATIONAL INSTITUTION
"BETTER PRODUCTS, GREATER PROGRESS, ARE MADE BY MARTIN"

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
Member of Audit Bureau of Circulations

Copyright 1948 by

SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
59 John Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 155 January 3, 1949 Number 1

Call For 'Fortyniners

News did not radiate so fast a hundred years ago. So, the historic discovery of gold in California in January, 1848—it was not the first—was what would today be considered very slow in getting to its pull upon prospectors. That is why the gold rush to the Sierras is popularly hooked with 1849 and the rushers are called "Fortyniners." The centennial of that nationspreading movement clings to last year and this, in order that no aspect may be inadequately recalled and commemorated. It is devoutly to be wished and earnestly to be endeavored that the spirit of the 'Fortyniners be revived in national sentiment and action in this, their one-hundredth, year. The nation needs it; and no less does the world.

The 'Fortyniners were pioneers in more ways than one, and not of least importance was their pioneering in self-reliance. This nation and the world needs nothing today more than it needs that on the part of all its individuals.

It was no new value that the 'Fortyniners sought. But, they brought new appreciations of many values to their seeking. It is no new value which calls to pioneers today—the welfare of men is as old as mankind. But, its finding and its keeping call for much revaluing of concepts, much pioneering in human readjustments. There is grave—the term is advisedly chosen—need that concepts be fitted to today's realities, that thinking be adapted to the foreseeing and the anticipating of, at least, the probabilities of tomorrow, if not its possibilities. The world is moving fast.

Today's needs and tomorrow's demands call for leadership with vision and courage and a will to work. They must be met with a new appreciation of fundamentals—new catchwords and formulas, replacing traditional fetishes, will not be enough. There need be no sacrificing of rights; although some reappraising of privileges will be inevitable. It is greatly to be desired that the reappraising be reasonably approached and properly done. But, desirability will not control unless, and only to the extent that it be measured in the fundamental terms of today.

Businessmen must pioneer in the helping of government to function as today's needs of the whole nation require. This country must have an actual national government—nationally minded and nationally purposed. Its place in the needs of the world cannot be maintained by any relatively loose federation in which sectionalism and syndicalism control. The individual self-reliance of the gold-rush pioneers must be blended with their good-neighborliness among those who regulate and those who operate the affairs of the people. The call for Fortyniners comes equally from the needs of the people and from those of the government. "Thar's gold in them thar hills"—and in these days of atomic fission and transmutation it cannot with impunity be neglected or left to the disposal of those who have strayed far from the principles of that earlier 'fortynine.

Federal Health Programs

Some of them, of course, are not primarily so purposed. But, all the reports, statements, and commentaries which currently are dealing with conditions of medical care are adding to the impetus of the movement for a national scheme of health service and a health office in the presidential cabinet. Whether it be the health-insurance scheme outlined by the Federal Security Administrator or the criticism voiced by the Committee on Reorganization of the Government with reference to Federal hospitals, the goal is better medical service. The general public is overwhelmingly in agreement on the desirability of improvement in that respect, and is becoming more and more insistent that there be improvement. It is not particularly concerned about the manner in which that goal be attained.

The report of the Committee on Reorganization of Government approaches the national health program from a new angle—and it impinges upon existing conditions at an obviously vulnerable point. So, the proposal in that report of a Federal department of health, security, and education will attract many advocates by the clearness of its presentation of the need for coordination and centralized direction in the elimination of wasteful duplication and administration. In spite of the politicomic pronouncements already being heard as to how there must be no niggardly meddling with medical caring for veterans and other deserving patients, the public is already well on the way to the conviction that still better service could be provided in those areas at far less cost under a businesslike system of administration.

Whatever may be the progress of a program of so-called "health insurance" in the new Congress, it is to be expected that any improvement in existing Federal medical service will strengthen the belief that the same agencies could similarly serve the public. In fact, the reorganization report at least has a foot in the door leading to some scheme of nationalized health service. The only answer to the challenge it has started will be improvement of the existing service from within. It has become a primal urge of government to undertake for others what they fail to do for themselves.

The medical profession and the drug industry, in all their divisions, whether they regard themselves as members of the public health profession, as practitioners of the healing arts, or as purveyors of medical service, will not be deprived of their independent professional status—or their commercial opportunities—if they strive earnestly better to fit those services to the actual needs of society. That is the fundamental meaning of "socialization"—and it is the only movement which can block that for nationalization, which is quite a different thing. The public will be ready to recognize that the better socialization of medical care must be a slow process—if it can see that efforts in that direction really are being made. The all too prevalent negative attitude, if continued, will do more than anything else to defeat its own purpose.

Washington Talks It Over

—*Continued from page 5*

up to such proportions that visions of anti-trust law violations were seen by some people.

Discreet inquiries made by some officials have not, however, uncovered anything to cause any concern of this government. The agreement, according to the findings, is only for the exchange of information on manufacturing processes and there are no managerial or financial ties or splitting of buying and selling territories by the two companies; nor are any patents involved, because there are no important patents in the fields encompassed by the agreement, which does not cover the whole line or products of Montecatini or Cyanamid, but only three fields, mostly having to do with vat dyes.

Crop Guessing Runs Wide

Dr. George Gallup, Elmo Roper, the weatherman, and all the others who have made outstanding records for wrong guesses in the past need not feel too badly when their prognostications turn sour. If they examine the records of the Crop Reporting Board of the Department of Agriculture, they will find margins of error just as wide as and wider than those of their own making.

For instance:—Last July 9 the board predicted a corn crop of 3,328,000,000 bushels, but 3,650,000,000 bushels were harvested, an error of 9.7 percent. It predicted 43,000,000 bushels of flaxseed July 9, but 52,000,000 bushels were harvested, an error of 20.9 percent. The board said July 9 that 392,000,000 bushels of potatoes would be produced, but the harvest amounted to 446,000,000 bushels, an error of 13.8 percent. Errors also were made ranging from 5.4 percent to 9.8 percent in wheat, tobacco, and cotton.

The board has already estimated that 25,000,000 less bushels of wheat will be harvested in 1949, compared with 1948, in spite of the fact that 5.5 percent more acres have been seeded this year and the condition of the crop December 1 was 82 percent of normal against 76 percent a year ago. A year ago, the board said the 1948 wheat crop would total 838,000,000 bushels, but 990,000,000 bushels were produced, an error of 18.1 percent.

"Man proposes but God disposes"—or exposes and the board must be figuring on God disposing of a lot of wheat next year if its present estimate is to prove accurate.

Veterinarians Wanted

The Department of Agriculture is making a frank bid for more veterinarians for its many activities, such as Federal meat inspection and the control of animal diseases, including assistance to Mexico, in suppressing the outbreak of foot-and-mouth disease. The department wants them young, preferably after graduating from veterinary college, so that they can make government service a career.

To lend added appeal to the usual notices of the Civil Service Commission announcing examinations for veterinarians, the Bureau of Animal Industry has just issued a brochure on career opportunities for graduate veterinarians in the bureau. It points out many of the advantages of bureau employment and tells something of the history, activities, and achievements of the bureau.

The training now given by the recognized veterinary colleges enables graduates to enter the bureau's service in the P-2 grade, which carries a beginning salary of $3,727 a year. A civil service examination for positions in that professional grade was announced December 15 and is still open.

Fertilizer Supply Larger

For the tenth successive year fertilizer consumption in the United States is setting a new season record. Department of Agriculture reports indicate that the supply that will become available up to June 30 this year will permit farmers to use about 7 percent more nitrogen, 5 percent more phosphoric acid, and 10 percent more potash than in the year ending June 30, 1948.

This year for the first time the plantfood supply of the principal elements is expected to top 4,000,000 tons. This is two and three-quarters as much as the average of the prewar years, 1935 to 1939. During the war there was an annual increase in production of each of the three principal plantfoods with the exception of 1942 when nitrogen for fertilizer was less than in 1941—its use in agriculture had to be limited in favor of its use in ammunition.

The Production and Marketing Administration notes that for the remainder of the 1948-49 fertilizer year—as last year—farmers are likely to find it easier to buy mixed fertilizers than straight-run materials. For this year there will be an increase of an eighth—from 37,000 to 45,000 tons—in nitrogen content of ammonia manufactured for direct application as a fertilizer.

PMA is continuing to urge that aggressive steps be taken to provide farmers with fertilizers having increased average plantfood content so as to reduce transportation and handling costs. It notes that over the years there has been a substantially greater increase in the plantfood content of available raw materials than has been shown in mixed fertilizers made from such materials.

Labor Law Being Revised

The Department of Labor is undertaking a rewriting of the Taft-Hartley act for submission to Congress early next month in keeping with the political promises to labor to provide them with a law that is more palatable than the present act.

Aside from the fact that it will provide for repeal of existing law so that the title, "Taft-Hartley," can be wiped off the statute-books, little is known of the provisions that will be included in the substitute measure. The probabilities are that many in the Taft-Hartley law will be continued, some in modified form.

The administration is uncertain just how far Congress will go in easing the present restraints on labor unions, and for that reason some of the more controversial provisions are being drawn in alternate versions so as to facilitate possible compromises both before and after the legislation is submitted to Congress.

Secretary of Labor Tobin said recently that he will write the labor bill and Congress will pass it in thirty days. There is reason to believe that he had underestimated the strength of a coalition of Southern Democrats and the Republicans, however, and while he may write the bill it is pretty fairly certain that it will be scrutinized very carefully and won't be passed in thirty days.

Sources of Capital

Exponents of a revision of the tax laws so as to encourage development of a larger market for risk capital are finding considerable meat for their arguments in studies just completed by the Office of Business Economics of the financing of new enterprises during the post-war years 1945-47. New trade firms starting operations in this period invested an estimated $7,000,000,000 in the enterprises.

What is so interesting about this figure to the tax-law revisionists, however, is the comparatively minute amount of the invested funds that came from capital-stock subscriptions—the risk capital market. Only $300,000,000 was obtained from this source. The biggest amount came from the personal savings of the entrepreneurs, $4,400,000,000 of the $7,000,000,000. Banks advanced $1,000,000,000, suppliers gave credit of $500,000,000, and other loans (mostly from friends and relatives) accounted for $800,000,000.

The contribution of new firms to the flow of capital investment is of considerable importance. It is estimated to represent over 40 percent of the total investment by all trade firms, new and old, in new plant and equipment and in inventories.

THE FIRST N. Y. TELEPHONE "BOOK"...

was a one page affair!

One of the 241 original subscribers was "C. Pfizer & Co., 81 Maiden Lane"

It seems surprising today that Pfizer had been in business for 29 successful years before the days of the telephone. It is less startling, perhaps, that Chas. Pfizer & Co., Inc. should have been one of the charter Bell subscribers in New York. For the company's chemical pioneering has always gone hand in hand with early acceptance of the application of new scientific developments.

Back when the one-page telephone directory could be displayed on office walls, Pfizer was already making iodides and resublimed iodine, mercurial and bismuth salts, tartaric acid and tartrates — products to this day on the company's list of more than a hundred fine chemicals. The same early high standards of chemical purity and physical uniformity are maintained as new products are developed to meet new needs. For a copy of our current price list, please address: Chas. Pfizer & Co., Inc., 81 Maiden Lane, New York 7, N. Y.; 211 E. North Water Street, Chicago 11, Illinois; 605 Third Street, San Francisco 7, Calif.

PFIZER

PFIZER QUALITY

Manufacturing Chemists Since 1849

Columbia

CALCIUM CHLORIDE

AND OTHER ESSENTIAL INDUSTRIAL CHEMICALS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AT BELLEFIELD • PITTSBURGH 13, PA.
BOSTON • CHARLOTTE • CHICAGO
CINCINNATI • CLEVELAND • MINNEAPOLIS
NEW YORK PHILADELPHIA • PITTSBURGH
SAN FRANCISCO • ST. LOUIS

COLUMBIA CHEMICALS

PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS

PITTSBURGH PLATE GLASS COMPANY

SILICATE OF SODA

40° and 60°

EXPORT - DOMESTIC

TURPENTINE - LINSEED OIL - MINERAL SPIRITS

CHAS. L. READ & CO., Inc. 120 Greenwich St. New York 6 N. Y.

Telephone: WOrth 4-1131

SULPHURIC ACID

ALL GRADES AND STRENGTHS

HIGH QUALITY

CONSOLIDATED CHEMICAL INDUSTRIES INC.

ADDRESS INQUIRIES TO: 640 MELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

FINEST QUALITY

BICARBONATE OF SODA

SAL SODA (Carbonate of Soda Crystals)

MONOHYDRATE OF SODA

CHURCH & DWIGHT CO., Inc.

70 PINE STREET Phone Digby 4-2181 NEW YORK 5, N. Y.

MERCHANTS CHEMICAL COMPANY, INC.

INDUSTRIAL CHEMICALS

60 East 42nd Street, New York 17, N. Y.

Caustic Potash

CHICAGO (11)—435 No. Michigan Ave.
CINCINNATI (2)—216 Elm St.
DENVER (11)—1211 West 44th Ave.
DETROIT—4000 West Jefferson Ave.
MILWAUKEE (4)—1100 So. Barclay St.
MINNEAPOLIS (13)—110 N. E. Sixth St.
OMAHA (8)—702 So. 10th St.
STAMFORD, CONN.—Elm Court

Heavy Chemicals

Buyer resistance was responsible for a decline in quicksilver prices from the recently established high level. The market was unsettled during the past week and sellers' views covered a wide range at the close. Sodium pentachlorophenate was priced higher as a result of the increased cost of current production. In addition to advances previously noted for January 1, copper cyanide, metallic sodium, sodium cyanide and zinc cyanide were advanced 2c. per pound at the start of the new year.

Trading in chemicals showed no unusual activity last week. Soda ash remained in relatively free supply, particularly in bulk. Liquid caustic soda was also available for prompt shipment in tankcars and flaked and solid were in better supply. Chlorine in tankcars continued tight with demand sustained at a high level. Some chlorine in cylinders left over from the Summer season was still available.

No change in zinc sulphate prices was announced. Copper sulphate was in demand for industrial uses, but the agricultural inquiry is not expected to develop before the middle of February. A large inquiry for copper sulphate from Italy has been taken over by British producers. Nickel sulphate continued in short supply with current production insufficient to meet requirements. Nickel chloride was also short although other nickel-based chemicals were available for prompt shipment. There appeared to be plenty of glacial acetic acid around with demand showing appreciable relaxation. The commercial grades of acetic acid were also offered freely.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce and the Chemical Division of the Tariff Commission.

Acetic Anhydride — October production was at the highest level of any of the first nine months in 1948. The total was 69,385,136 pounds, compared with 69,239,940 in September and a low of 57,099,825 pounds recorded in June.

Ammonia, Anhydrous—Prices effective for the fertilizer grade will range from $74.00 to $85.00 in tankcars and the refrigeration from $76.50 to $80.00 in tankcars f.o.b. the works. Supplies relatively tight.

Ammonia, Aqua—Maintenance of heavy demand has kept the supply situation tight over the turn of the year. Tankcar prices on January 1 ranged from $76.00 to $85.00 per ton anhydrous basis, works depending upon the seller.

Arsenic — September imports of white arsenic were 701,000 pounds, the lowest for any of the first nine months of 1948. Total imports for 9 months were 16,667,000 pounds, compared with 21,503,000 for the corresponding period in 1947. No new price changes were recorded at the beginning of the year.

Carbon Bisulphide—Production increased in October. The total was 35,926,315 pounds, compared with 30,691,393 in the preceding month. The high was in May at 37,533,338 pounds and the low was registered in July at 29,528,866. Prices were advanced ½c. per pound on January 1.

Carbon Tetrachloride — October recorded a new high monthly production for 1948. The total was 19,298,367 pounds, compared with 17,277,286 in the preceding month and a low of 14,098,277 pounds in July. Stocks remained short over the turn of the year. The market was advanced ½c. establishing the price at 8c. per pound for technical in drums, carlots delivered east of the Rockies and 8½c. west of the Rockies on January 1. Total exports for the first 9 months of 1948 amounted to 3,469,000 pounds, compared with 5,034,000 pounds for the corresponding period in 1947.

Chlorine—Tankcar shipments continued tight over the yearend. The supply situation was not critically short but described by some producers as snug. Demand for chlorine has been increasing and has covered various fields including a basic product for chemicals and all kinds of sanitation. There were inquiries in the market last week that were unfilled at the close. Cylinders were available but there was not much call for chlorine in these containers at this period of the year.

Copper Sulphate — Current movement confined mostly to industry with agricultural demand expected to develop next month. It was stated that a recent order from Italy involving 15,000 to 20,000 tons went to British producers. There is still an inquiry from France in the market said to be for 10,000 tons. Total exports for the month of September amounted to 4,737,000 pounds. Export shipments for 9 months ending September 30 were 65,508,000 pounds compared with 38,381,000 pounds for the corresponding period in 1947. The only sizable shipments for the eastern hemisphere in 1948 were about 3,700,000 pounds to Austria and 1,150,000 pounds to China. The principal markets were Central America.

Nickel Chloride — Stocks short of requirements on account of an active demand and insufficient production. The supply situation has remained tight over the entire last quarter of 1948.

Nickel Sulphate—Heavy consuming demand mostly from platers and soapmakers has kept this market in a tight supply condition for several weeks. The shortage has not been the result of a scarcity of the metal but to a demand that has run considerably ahead of productive capacity.

Potash, Caustic—Higher prices were made effective on January 1. The new schedule prices in large packages per 100 pounds, works, are:—Solid, $7.55; flake, $8.15; broken, $8.40; crushed, $8.05; liquid, tankcars, $3.40, basis 45 percent KoH; liquid, drums, $3.72½ flat; walnut, less carlots, $10.55; tankwagons, liquid, New York area, $4.50, tankwagons; Philadelphia area, $4.62½.

Potassium Carbonate—New schedule of prices was made effective January 1. Calcined is now held at $7.60 per 100 pounds, works; hydrated, $6.25; liquid, tankcars, $3.22½; liquid, drums, $3.55; tankwagons, New York area, $4.32½; tankwagons, New England area, $4.20.

Potassium Chlorate—While production has been well looked for January, stocks were available in reasonable quantities. December output has made considerable progress in leveling off requirements. Price position firm but without change.

Salt Cake—October established a new high production record for this material. The total amounted to 60,674 tons of crude commercial. September production was 57,581 tons and in October, 1947, output registered 51,831 tons.

Soda Ash—Stocks relatively free at the start of the new year. Ash in bulk was in better supply than in bags. Production during the last quarter leveled off industrial requirements in good shape and the present market situation appeared to be about normal with prompt shipments available at current prices.

Soda, Caustic—Liquid continued available in tankcars for prompt shipment last week. The supply situation in the dry forms has improved but not to the same extent as liquid. Demand appears to have been fairly well leveled off under the maintenance of steady production.

Sodium Chlorate—Stocks were available for January-February shipments at current prices last week. Seasonal relaxation in demand in December allowed production to level off requirements to an appreciable extent. Prices firm but unchanged.

Sodium Nitrite—Production appeared equal to current requirements without leaving any excess stocks. Demand during the past month was fully up to the seasonal average. The market closed firm at the former price level.

Sodium Pentachlorophenate — Market higher with briquets priced at 21½c. in bags works and powdered at 20c. to 23c. per pound depending upon quantity with freight equalization to recognized competitive points.

Sodium Phosphate—Production of tri-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Sodium pentachlorophenate, briquets, 1½c. per lb.
powdered, 1c. per lb.

Prices Reduced

Quicksilver, $7 per flask.

Comparative Price Indexes

(100 — August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
234.6	234.6	235.4	202.8

Acids

Last week	Prev. week	Last month	Last year
123.3	123.3	123.3	119.7

(For Current Prices see Page 9)

basic in October amounted to 7,383 tons, compared with 6,836 in the preceding month and 8,187 tons in October, 1947. October output of meta was 3,128 tons, against 2,452 tons in September and 2,684 in October, 1947. Production of tetra was 7,112 tons in October, compared with 4,985 in September and 5,565 in October, 1947.

Sodium Sulphate—October output of anhydrous refined was 15,956 tons, compared with 13,703 tons in the preceding month and 10,289 tons in October, 1947.

Strontium Nitrate—Carlots are priced at 9¼c. per pound and less than carlots at 10¼c. per pound f.o.b. the works. If material is ex-warehouse New York ¼c. to ½c. per pound has to be added to the above prices.

Acids

Acetic—October production of synthetic was the highest recorded since May. The total amounted to 35,957,599 pounds and compared with 33,476,646 pounds in the preceding month. The amount of recovered acid was 160,787,009 pounds in October a new high for 1948. The September total for recovered acid was 157,673,086 pounds. October output of natural was 2,364,170 pounds, against 1,960,757 in September. The latter was produced by direct forces from wood and by distillation from lime acetate. The glacial market is in rather free supply at present. According to trade reports, this condition is the result of a slowing down of the buying movement in an effort to prevent inventory increases and is possibly a temporary situation. Reports were also current of slight price shading at some out-of-town points. The lower strengths of commercial acid are in relatively free supply also.

Hydrofluosilicic—Market situation normal for domestic use at the beginning of the year. Production has kept stocks available to meet requirements and additional orders for immediate or prompt shipment can be entered. Export sales have been restricted as a result of the shortage of containers necessary for foreign transportation.

Oxalic — Stocks remained short of requirements at the turn of the year with no apparent indication of improvement in the near future. Production was insufficient to meet demand throughout 1948 and it looks as though the same condition may prevail over 1949.

Phosphoric—Total production for October amounted to 113,337 tons, including 54,626 tons made from phosphorus and 58,711 from phosphate rock. The September total was revised to 106,304 tons and in October 1947, output registered 99,213 tons.

Sulphuric—Supply situation mostly in balance with demand at the close of 1948. Consuming requirements have continued at a high level with production geared to meet demand without permitting surplus stocks to accumulate. Difficulty in secur-

Liquid and Solid
Silicate of Soda
For Export and Domestic Use
SINCE 1838 WH&C
Welch, Holme & Clark Co., Inc.
439 WEST STREET NEW YORK 14, N. Y.

AMMONIUM FERROCYANIDE
SOLUTION
HENRY BOWER CHEMICAL MFG. CO.
30th AND GRAYS FERRY RD. PHILADELPHIA 46, PENNA.

Manufacturers of
Red and Black **COPPER OXIDE**
COPPER SCALE
ROBERT A. COUPE, 260 Rhode Island Ave., Pawtucket, R. I.
Telephone PErry 3354

FOR PROMPT DELIVERY—
ARSENATES OF LEAD and CALCIUM
As Supplied to Government Departments Throughout the World
Enquiries To:
METALLO CHEMICAL REFINING CO., LTD.
Palmerston House, Bishopsgate
LONDON E. C. 2 ENGLAND
Cable Address "Metalrefin London"
Agent for the U. S. A.
EUROPEAN CHEMICAL CO., INC.
366 Broadway
New York 13, New York

Stauffer CHEMICALS SINCE 1885
CARBON BISULPHIDE

DDT—Dichloro Diphenyl Trichloroethane	Citric Acid
BHC—Benzene Hexachloride	Carbon Tetrachloride
Toxaphene—(Chlorinated Camphene)	Caustic Soda
2,4-D (Acid, Ester and Amine Salts)	Chlorine
Boric Acid—Borax	Silicon Tetrachloride
Tartaric Acid	Sulphur
Cream of Tartar	Textile Stripper
	Sulphuric Acid
	Sodium Hydrosulphide
	Titanium Trichloride

STAUFFER CHEMICAL CO.
420 Lexington Avenue, New York 17, N. Y.
221 No. La Salle Street Chicago 11, Illinois
424 Ohio Bldg., Akron 8, O.
Apopka, Florida
555 So. Flower Street, Los Angeles 13, Cal.
636 California Street, San Francisco 8, Cal.
North Portland, Oregon
Houston 2, Texas
Weslaco, Texas

FORMALDEHYDE
for the Chicago area . . . . . Great Lakes Region and the Middlewest
TANK CARS and DRUMS made from our own raw material!
SPENCER CHEMICAL COMPANY
Executive and Sales Offices
Dwight Bldg., Kansas City 6, Mo.
CONTACT SPENCER NOW FOR 1949 CONTRACTS

FORMALDEHYDE
for the Chicago area . . . . . Great Lakes Region and the Middlewest
TANK CARS and DRUMS made from our own raw material!
SPENCER CHEMICAL COMPANY
Executive and Sales Offices
Dwight Bldg., Kansas City 6, Mo.
CONTACT SPENCER NOW FOR 1949 CONTRACTS

FERRIC SULPHATE
FERROUS SULPHATE
FAESY & BESTHOFF, Inc.
220 EAST 42nd STREET, NEW YORK CITY · CABLE: TRUFABEST
PLANT AND WAREHOUSE: HICKSVILLE, L. I., N. Y.

PURIFIED IRON SULPHATE
GRANULAR
E. M. SERGEANT PULP and CHEMICAL CO., Inc.
7 DEY STREET Established 1857 NEW YORK 7, N. Y.

GEORGE F. SMITH SALES & CHEMICALS CORP.
CHEMICALS
Specializing in
ARSENIC SODIUM CYANIDE
COPPER SULPHATE NICKEL SULPHATE
CRESYLIC ACID STEARATES
CERIUM-LANTHANUM-THORIUM and other RARE EARTH SALTS and METALS
60 East 42nd Street, New York 17, N. Y.
Cable Address Geosmith, N. Y.
Telephones: MUrrayhill 7-5651-2-3-4

ing tankcars caused temporary delays in shipments during the past month.

Non-Ferrous Metals

Aluminum—It is stated that serious low water conditions in Canadian hydroelectric reservoirs mean that considerably less aluminum for import into the United States will be available, especially during the early part of 1949. Another factor limiting aluminum supply in 1949 is that a smelting works at Niagara Falls, New York, will be permanently closed in February. This will reduce smelting capacity by approximately 40 million pounds a year. To counter the effect of production losses from the above causes, the erection of a smelting plant on the Gulf coast at Point Comfort, Texas was started some months ago which will use natural gas to generate the required electricity for aluminum production. This plant should be in operation early in 1950. This natural-gas power plant will mark the first extensive peacetime use of electricity generated by other means than water-power to produce aluminum, except for a brief period in the earliest days of the industry.

Aluminum in 1948 retained its position as the leading nonferrous metal of industry from the standpoint of volume produced. On the basis of preliminary figures for the first ten months of 1948, as furnished by the Aluminum Association, it is probable that production of primary (new) aluminum by the whole United States industry will be approximately 1,245,000,000 pounds for the full year.

Copper—Market position about steady under an active demand and short stocks with the strike still unsettled at a large plant in the West. It is stated that nearly a million and a half tons of copper may be required in 1949 if the present rate of consumption is maintained. Whether there will be sufficient copper to meet requirements depends upon the quantity of metal the government will stockpile, the labor situation at the mines and mills and the amount of the metal that can be imported. At present there is a disposition in consuming quarters to resist premium payments for the metal although reports were current that foreign tonnages were offered at 26c. per pound.

Lead—If steady mine production is maintained, the flow of scrap is uninterrupted and imports are large, it is stated that supply and demand may be brought into balance this year. According to trade reports, it looks as though demand from the storage battery industry, one of the largest consumers, has passed its peak. At present, the supply is tight and will likely remain so until the government's stockpiling program, 70,000 tons, is completed. It is stated that about 10,000 tons have been delivered to the stockpile to-date.

Quicksilver—Prices did not hold the recent advance. The market was sensitive all week with buyer resistance pronounced. At the close the range of prices was wide and extended from $86 to $91 per flask.

Production in the third quarter of 1948, although greater than had been anticipated, by some observers, was probably the smallest for any quarter since 1933, according to the Bureau of Mines. Consumption was considerably lower than in the second quarter when the completion of two chlorine and caustic soda plants caused the use of mercury to attain unusual heights. Nonetheless, consumption was at slightly above the average rate in 1947 and was higher than the level of most years prior to World War II. Imports dropped to only 28 percent of the abnormally high rate in the second quarter.

Silver—October production was placed at 3,070,656 ounces, a decline of 3 percent from the preceding month, by the Bureau of Mines. Silver output in Idaho, the leading producing state, was down 15 percent, due primarily to a reduction in ore output from mining company properties near Kellog. The official closing price for silver bullion in the New York market was 70c. per ounce.

Silver Bullion Price Range

	Per ounce— New York	Per ounce— London
High	Oct. 6, 1948—77½c.	Oct. 4, 1948—47d.
Low	Nov. 29, 1948—70c.	Nov. 30, 1948—42¼d.

Prompt Delivery
SODIUM BICHROMATE
POTASSIUM BICHROMATE
PHENOL U.S.P.
GLYCOL
POTASSIUM PERMANGANATE
BETA NAPHTHOL
CHROME OXIDE GREEN C. P.
CHROMIC ACID
Albrecht chemical co., inc.
45 WEST 45th STREET • NEW YORK 19, N. Y.
LUxemburg 2-0480
CABLE ADDRESS: ALCHEMCOMP

METOL
Monomethylparaminophenol Sulphate
Registered Trade-Mark
TANNIC ACID • GALLIC ACID
(U.S.P. and Technical Grades)
PYROGALLIC ACID • HYDROQUINONE
ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

ask Berk for ZIRCONIUM PRODUCTS
Now a basic integrated producer of Zirconium products, Berk has available in production quantities from stock:
• Zirconium Sulphate
• Zirconium Carbonate
• Zirconyl Acetate
• Zirconyl Nitrate
• Zirconium Stearate
• Sodium Zirconium Sulphate
• Zircon Sand Granular
Write for full information and samples. We are prepared to consider inquiries for any compound containing Zirconium.
F. W. BERK & CO. INC.
WOOD RIDGE, NEW JERSEY
NEW YORK SAN FRANCISCO

IRON FREE
ALUMINUM SULPHATE
Lump or ground in barrels or 100 pound bags
CONSOLIDATED CHEMICAL INDUSTRIES INC.
ADDRESS INQUIRIES TO: 640 MELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

Antimony Sulphide Export Quotas for Jan.-Mar. Set

The Office of International Trade, Department of Commerce, has announced country export quotas for antimony sulphide for the first quarter of 1949. The quotas for the product, which bears census schedule B number 839900, are as follows, in pounds:—

ECA Countries—	
Austria	2,500
France	3,000
Netherlands	1,000
Portugal	2,000
Latin America—	
Argentina	1,000
Brazil	5,000
Colombia	5,000
Costa Rica	650
Cuba	2,000
Ecuador	1,000
Guatemala	500
Mexico	500
Peru	500
Salvador	250
Uruguay	250
Far East—	
China	1,500
Philippine Republic	1,000
Total	27,650
Undistributed reserve	2,350
Total authorized allocation	30,000

Snell Appoints Mahoney

Foster D. Snell, Inc., consulting chemist and engineer, New York, has appointed John J. Mahoney director of engineering. Mr. Mahoney was formerly associated with the Colgate-Palmolive-Peet Company as a project engineer for several years.

Rubber Exports in October Interrupt Downward Trend

Value of United States exports of rubber, allied gums, and manufactures during October amounted to $10,820,476, according to a Department of Commerce report. October shipments interrupted the downward trend in rubber exports which fell to $8,325,412 in September after a steady drop from the post-war high of $21,981,297 in May, 1947, according to Bureau of Census statistics.

Match Production Up in 1947

Manufacturers shipped approximately $56,000,000 worth of matches during 1947, according to preliminary figures released recently by the Bureau of the Census. This represents an increase in value of about 120 percent over the $25,500,000 worth produced in 1939. There were 496,000,000,000 shipped last year, as compared with 419,000,000,000 produced in 1939, an increase of 20 percent.

Toronto Chemists Elect Sneyd as 1949 Chairman

The Toronto section of the Chemical Institute of Canada has elected Sheldon Sneyd, of Harrisons & Crosfield, Ltd., as 1949 chairman. Other officers chosen by the section are: vice-chairman, Geoffrey K. Wright, Shawinigan Chemicals, Ltd.; secretary, W. A. Smithers, Fisher Scientific Company, Ltd.; assistant secretary, A. Gordon Nickle, Ontario Research Foundation, and treasurer, Clyde C. Meinhoefer, Werner G. Smith Company, Ltd.

T. H. Glynn Michael, Woburn Chemicals, Ltd., has been named program chairman of the group, to take office in June, 1949, and Reginald S. Wayman, Toronto Elevators, Ltd., has been appointed assistant program chairman, to take office at the same time. Fred B. Parker, Woburn Chemicals, Ltd., has been appointed publicity chairman, with R. John Cole, Ontario Research Foundation, as vice-chairman; Lloyd A. Hassell, Prestolite Company, is membership chairman, and Graham M. Gore, Central Technical School, is chemical education chairman.

Southern Alkali, Pittsburgh Plate Glass Advance Higgins

Appointment of James C. Higgins as assistant traffic manager of the Columbia Chemical Division of Pittsburgh Plate Glass Company and of Southern Alkali Corporation has been announced by Frank G. Moore, traffic manager for both companies. Mr. Higgins succeeds R. V. Bowman, who has resigned to enter private business.

Trade Briefs

Gould Storage Battery Corporation, Trenton, N. J., will demonstrate the attributes of battery driven trucks at the Materials Handling Show in Philadelphia on January 10 to 14.

Continental Can Company, New York, has elected George P. Edmonds a member of its board of directors. Mr. Edmonds is president of the Wilmington Trust Company, Wilmington, Del.

QUALITY CHEMICALS In Quantity!

For Product Development And Processing Applications

Potassium Ferricyanide

COLOR GRANULAR

Versatile chemical with many uses in paper manufacture, synthetic rubber, calico printing, pigments, tempering of steel, photographic bleach and toners, mild oxidizing agent, analytical chemistry, and blue print coating.

K_3 Fe $(CN)_6$

Mol. Wgt.	329.18
Ferrous Salts	trace
Sulphates	0.009%
Chlorides	0.020%
Assay	99.0%
Insolubles	trace

Potassium Metabisulphite

GRANULAR $K_2S_2O_5$

Widely used as a preservative in beverages and foods, in photographic developers, dyeing and printing of textile fabrics, lithography and engraving preparations, and as a fine chemical reagent.

HUNT'S Technical Service can help solve your problems.

Immediate shipments in commercial quantities.

HUNT

PHILIP A. HUNT COMPANY
ESTABLISHED 1909
BROOKLYN 22, N.Y.
CHICAGO ILL. CLEVELAND OHIO CAMBRIDGE MASS
LONG ISLAND CITY N.Y. LOS ANGELES CALIF.

Hydrochloric Acid
C. P. AND COMMERCIAL

Salt Cake

BAY CHEMICAL COMPANY
A DIVISION OF MORTON SALT COMPANY
1048 CONSTANCE ST.
New Orleans 9, La.

TRUCK DELIVERY DIRECT FROM
FACTORY to STEAMER
NEW YORK or MONTREAL

Red Amorphous Phosphorus

Phosphorus Sesquisulphide Powder

ELECTRIC REDUCTION COMPANY OF CANADA LTD. ERCO MADE IN CANADA

HIGHEST QUALITY and STABILITY

Buy By Brand

Manufactured by
ELECTRIC REDUCTION COMPANY OF CANADA, LTD
BUCKINGHAM, QUEBEC

EXCLUSIVE EXPORT AGENTS
DUFF CHEMICAL COMPANY INC.
342 Madison Ave. New York 17, N. Y.
Phone: MUrray Hill 7-6502-3 Cable Address "Chemduf"

LCL

BONE BLACK

All standard grists • Shipped in bags

or barrels in LCL or carload quantities

CONSOLIDATED CHEMICAL INDUSTRIES INC.

ADDRESS INQUIRIES TO: 111 SUTTER STREET, SAN FRANCISCO 4, CALIF.
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

LCL

LEADERSHIP

IN CHEMICAL RESEARCH

. . fundamental CHEMICAL RESEARCH has always meant for us a major emphasis on pioneering investigation. This emphasis in the field of petroleum hydrocarbon material, has resulted in a series of products of widespread importance to the CHEMICAL INDUSTRY.

INSECT TOXICANTS

"VELSICOL 1068" Chlordane

The synthetic insect toxicant that is outstandingly effective for the control of household, institutional and agricultural insect pests.

VELSICOL Methylated Napthalenes—AR-50

AR-60 AR-70 NR-70

These VELSICOLS are excellent solvents and co-toxicants for DDT, Rotenone, Pyrethrum, and Pentachlorophenol.

CORE OILS

Velsicol Core Oils assist in providing increased castings production in the foundry. They develop the highest strength-to-gas ratio of any core oils, and they are characterized by clean work ability, fast baking properties, and their controlled uniformity.

SOLID PETROLEUM HYDROCARBONS

Velsicol—AD 6-3 and AB 11-2. Velsicol oxidizing and non-oxidizing types possess desirable physical and chemical properties that insure complete satisfactory results in the formulation of protective and decorative vehicles.

AROMATIC SOLVENTS

The high quality continuously uniform Velsicol Aromatic Hydrocarbon solvents are formulated to serve the exacting needs of the paint, varnish and allied industries. A complete series of solvents is offered in boiling ranges and solvent power to meet specific requirements.

For complete technical data consult Velsicol's Technical Service Department

VELSICOL Corporation

General Offices: 330 East Grand Avenue, Chicago 11, Illinois

Branch Offices: New York • Detroit • Cleveland

Manufacturers of:

Insect Toxicants • Aromatic Solvents • Petroleum Derivatives • Core Oils

Optical 'Trust' Case Dismissed by U.S.

The government's anti-trust suit against The Bausch & Lomb Optical Company, the American Optical Company, the Panoptic Company, and seven officers of these corporations has been ordered dismissed by Attorney-General Tom C. Clark. The suit had been pending at the district court in New York.

Mr. Clark stated that he had directed the dismissal since no further public interest would be served by a continued prosecution of the case, inasmuch as the objectives sought by the complaint have already been achieved under a partial summary judgment entered in this case and by the provisions of the final judgment entered September 17, 1948, in the case of United States vs. American Optical Company et al.

Boyle-Midway Distributing New Chemical Deodorizer

Metazene, the new chemical deodorizer recently announced by Dr. Lowell B. Kilgore, of Washington, has been purchased for retail distribution by Boyle-Midway Inc., a division of American Home Products Corporation, New York. According to Strieder Schraffenberger, president of Boyle-Midway, the scientific discovery will be packaged under the brand name "Silver Label Spray Deodorizer." It will be available to the public through regular retail outlets in an aerosol container.

Beaumont Birch Appoints Transeau

The Beaumont Birch Company, machinery manufacturer, Philadelphia, has appointed S. T. Transeau head of its new chemical materials handling division. Mr. Transeau, who was formerly associated with the General Chemical Company, will be in charge of the manufacture of materials handling equipment designed for the process industries.

DeBell & Richardson Moves Offices

DeBell & Richardson, Inc., consulting chemical engineer, has moved its offices and laboratories from Springfield, Mass., to Hazardville, Conn. In the new location, which provides additional laboratory space, the company has consolidated its pilot plant equipment, which was previously located at Easthampton, Mass.

Reinhold Issues New Catalog

The Reinhold Publishing Corporation, New York, has published a new 1949 edition of its technical books catalog, "Let's Look It Up." Free copies of the catalog may be obtained from the company at 330 West Forty-second street, New York 18, N. Y.

Staber Leaves Standard-Vacuum

E. H. Staber, manager of the operations and engineering department of the Standard-Vacuum Oil Company, New York, retired on January 1 after thirty-five years with the company. He joined the organization in 1914 and was given a travelling assignment in the Far East. In 1918 he was made manager of operations and engineering of the North China division, where he remained until 1931. He returned to the company's New York headquarters in 1933.

Phila. Chemical Club Installs 1949 Officers

The Chemical Club of Philadelphia recently installed Harold B. Dohner, of the Amalgamated Chemical Corporation, as president for 1949. Other officers seated were: first vice-president, Albert Frank, Alex. C. Fergusson Company; second vice-president, Morris C. Swope, Swope Oil & Chemical Company; treasurer, Carl M. Obeck, Merchants Chemical Company; secretary, G. P. Nelson, J. T. Baker Chemical Company, and corresponding secretary, James W. Ritz, Emery Industries, Inc.

Burke Joins Bocon Chemical

Frank G. Burke, formerly president of the Electronic Control Corporation, has been appointed vice-president of the Bocon Chemical Corporation and will be in charge of marketing "Boconize W. D. S.," a mothproof preparation for garments, rugs and blankets.

Trade Briefs

T. W. Atkins has resigned as executive vice-president of the Magnesium Association to accept a commercial position.

Lewis-Shepard Products, Inc., Watertown, Mass., has added a 1,500 pound capacity electric unit to its "Master" line of "Standrive" power fork trucks.

International Paper Company, New York, has discontinued the office of chairman of the corporation. The office has been vacant since the death of R. J. Cullen on November 13.

ELBERT & CO.
INCORPORATED

SPOT AND FUTURE

Vegetable Black Pigments

White Arsenic

Sodium Sulphide

Crude Naphthalene
(Hot Pressed, 78° - 78.9°)

Ortho Cresol

Sodium Cyanide

2 Broadway, N. Y. C.
DIgby 8-2670

SODIUM CHLORATE 99+%

POTASSIUM CHLORATE 99.5/100%

Prompt Delivery Anywhere from New York Warehouse Stocks

DUFF CHEMICAL CO., INC.
342 MADISON AVE., N.Y. 17 • MUrray Hill 7-6502-3-4

Cable Address "CHEMDUF"

Broken Rock
Roll Brimstone
Sublimed Flowers
Rubbermakers
Commercial Flour
Dusting
Wettable

SULPHUR

MANUFACTURED AT HOUSTON, TEXAS, BY

SOUTHERN ACID & SULPHUR CO., INC.
Office: Rialto Building St. Louis 2, Mo.

Synvar Corporation Making Phenolic Molding Compound

The Synvar Corporation, synthetic resins manufacturer, Wilmington, Del., has commenced production of phenolic molding compounds. The company's output, which started on January 1, includes general purpose compounds in black, brown and a full line of colors as well as specialty items, such as high heat resistant and improved electrical resistance compounds.

Gas Technology Fellowships Available at Illinois Tech.

Applications for fellowships in gas technology at the Institute of Gas Technology at Illinois Institute of Technology will be accepted until March 15, 1949, it has been announced by Elmore S. Pettyjohn, director. Fifteen fellowships paying $125 per month for ten months, with increases in the monthly stipend in following months, are available, he said. Formal appointments will follow the application deadline.

Two-year fellowships lead to master's degrees and additional two-year fellowships are available for work leading to the Ph.D. degree. Seniors and graduates under twenty-eight in chemistry, chemical engineering, mathematics, mechanical engineering, and related fields are eligible.

Sinclair Building New Jacksonville Oil Terminal

Sinclair Refining Company has commenced work on construction of a new 336,000-barrel capacity oil terminal on the site of the former St. Johns Shipbuilding Yard in Jacksonville, Fla. The facility will include a 90,000-barrel tank for gasoline; a 55,000-barrel ethyl gasoline tank; 20,000-barrel solvents storage capacity; 55,000-barrel diesel oil tank, and 55,000-barrel kerosene storage capacity.

Antitrust Law Section

—Continued from page 7

Wooden, associate general counsel of the Federal Trade Commission; Corwin D. Edwards, director of the FTC's bureau of industrial economics, and H. Thomas Austern, of Covington, Burling, Rublee, Acheson & Shorb, Washington.

The afternoon session will hear an address by Attorney General Tom C. Clark and the following papers:—"Basic Trends in Progress of Sherman Act," by Goldthwaite H. Dorr, chairman of the section's committee on the Sherman act; "Impact of Sherman Act on Patent Law," by William H. Davis, Davis, Hoxie & Faithfull, New York; "Basic Trends in Progress of Federal Trade Commission Act," by Breck P. McAllister, secretary of the section.

Also, "Basic Trends in Relation of General Unfair Competition Law to Antitrust Law," by Harry D. Nims, chairman of the section's committee on general unfair competition law; "Basic Trends in Progress of Fair Trade Acts," by Harold Harper, chairman of the section's committee on fair trade acts, and "Basic Trends in Progress of New York State Antitrust Law," by Stewart F. Hancock, chairman of the committee on New York State antitrust law of the New York State Bar Association.

Trade Briefs

Signal Oil & Gas Company, Los Angeles, Calif., was authorized an increase in capital stock by stockholders at a recent meeting.

Ethyl Corporation has appointed Raymond R. Faller coordinator of employee training activities in its industrial relations department.

George V. Holton, chairman of the board of the Socony-Vacuum Oil Company, New York, has been elected a vice-president of the Commerce and Industry Association of New York.

Charles A. Kiebsattel, technical director of Advance Solvents & Chemical Corporation, New York, recently delivered an invitation lecture on "Miscellaneous Raw Materials" as part of Wayne University's course in "Surface Coating Technology."

Charles F. Fleming, employed for eleven years in the East Chicago, Ind., refinery of the Socony-Vacuum Oil Company, New York, took office recently as Secretary of State in Indiana after serving in the state senate since 1941.

Adolphus C. Pilger jr., head of automotive field research for the Tide Water Associated Oil Company, has been awarded the 1947 Horning Memorial Medal of the Society of Automotive Engineers.

MARKET

SALES

DISTRIBUTION

THE MIDWEST

This prosperous, ever-growing area is attracting new industry daily—is leading the country in retail sales. Let Thompson-Hayward establish your product in the Mid-West now!

90 SALESMEN

Thompson-Hayward's 90 alert, chemical-wise salesmen are in daily contact with hundreds of established, volume-buying clients. New buyers regularly look to Thompson-Hayward for quality products and dependable service.

18 WAREHOUSES

Thompson-Hayward's 18 strategically located warehouses assure prompt, economical deliveries of your product. Contact Thompson-Hayward today for complete representation in the rich Middle West.

Here Are A Few of the Companies We Represent

ALUMINUM CO. OF AMERICA
Sodium Fluoride
AMERICAN BITUMULS COMPANY
Gilsonite
COLGATE-PALMOLIVE-PEET COMPANY
Glycerine, Laundry Soaps
GOULD WITCH HAZEL COMPANY
Witch Hazel
SOUTHERN SHELLAC MFG. COMPANY
Cut Shellacs
KOPPERS COMPANY, White Tar Division
Naphthalene

THOMPSON-HAYWARD CHEMICAL COMPANY

KANSAS CITY, MISSOURI

OPD-4

MINNEAPOLIS
OKLAHOMA CITY
N. LITTLE ROCK
SAN ANTONIO
CORPUS CHRISTI
DES MOINES
DAVENPORT
NEW ORLEANS
ST. LOUIS
HOUSTON
CHICAGO
DALLAS
WICHITA
MEMPHIS
OMAHA
DENVER
TULSA

LUSTRA-PEARLS

ONE OF MANY CCI PRODUCTS

ANIMAL GLUE
(BONE OR HIDE GLUE)

EASIER TO HANDLE
EASIER TO MEASURE
ABSORBS WATER READILY
FILTERED FOR PURITY
FREE FROM FOREIGN MATTER
CLEAR IN SOLUTION

LUSTRA-PEARLS
The modern way to use glue

CONSOLIDATED CHEMICAL INDUSTRIES INC.

Sales Offices: HOUSTON • SAN FRANCISCO • NEW YORK

Plants: San Francisco, Cal.; Woburn, Mass.; Little Rock, Ark.; Bastrop, Baton Rouge, La.; Fort Worth, Houston, Tex.; Buenos Aires, Argentina.

We Solicit Your Inquiries

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH
62/63% K_2O ALSO 50% K_2O
MANURE SALTS
20% K_2O MINIMUM
UNITED STATES POTASH CO., Inc., 30 Rockefeller Plaza, New York 20, N.Y.
REG. U.S. PAT. OFF.

Sulphate of Ammonia · Nitrogen Solutions · Ammonia Liquor
Anhydrous Ammonia · Arcadian* the American Nitrate of Soda
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK 6, N.Y.
Barrett NITROGEN
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
*Reg. U. S. Pat. Off.

SPECIALIZING IN CONDITIONERS FOR MIXED FERTILIZERS
INQUIRIES INVITED
THE DICKERSON COMPANY
DREXEL BUILDING - - - PHILADELPHIA 6, PA.

2,4-D
2,4-Dichlorophenoxyacetic Acid
Methyl Ester
Butyl Ester
Isopropyl Ester
Sodium Salt
Triethanol-amine Salt
40% Butyl Ester—44% Isopropyl Ester
★
DDT
Dichlorodiphenyltrichloroethane
100% technical grade
50% wettable dust
25%, 30%, 40% emulsifiable solutions
★
Alpha Naphthaleneacetic Acid
and Methyl Ester
★
KOLKER CHEMICAL WORKS, INC.
80 LISTER AVENUE NEWARK 5, N. J.

Agricultural Chemicals

Upward price revisions were noted in pyrethrum concentrate, extract and flowers as a result of higher replacement costs. Tankage was priced higher at Chicago under purchases for feed use. Sardine meal sold at lower prices at Los Angeles but menhaden meal was unchanged at North Carolina points. Ammonium nitrate, domestic, was advanced January 1. No improvement could be noted in buying conditions for ammonium sulphate. Production of phosphate rock and superphosphate has continued to meet requirements for home and export. Demand for sodium nitrate remained in excess of available supplies. A cargo of Chilean nitrate that was held up on the Pacific coast by the recent maritime strike is being unloaded. Some producers of nitrate solutions have advanced prices, others have made no revisions to date. Potash production is finding a steady outlet through regular contract channels.

Production figures appearing below unless otherwise designated are from the Chemical Division of the Tariff Commission. Import and export figures are from the Department of Commerce.

Nitrogenates

Ammonium Nitrate — Higher prices were made effective for domestic nitrate on January 1. The present range is from $58 per ton western works with freight equalization against recognized competitive points to $59 f.o.b. works in Arkansas or Louisiana.

Ammonium Sulphate—No improvement in the supply situation at the close of the year. Demand sustained at an exceedingly high level and considerably above current production. Market position tight and firm.

Bone Meal—Has continued in short supply throughout the past month. Prompt shipments have been in active demand for feed uses but the scarcity of prompt shipments has restricted trading.

Dried Blood—Trading remained quiet with prices steady. Sellers named $10 per unit of ammonia at New York and $9.50 at Chicago.

Fish Meal—Menhaden meal was unchanged at North Carolina points. Demand was rather quiet with sellers showing no disposition to force business. Sardine meal was priced lower at $141 to $144 per ton for 65 percent protein f.o.b. Los Angeles.

Nitrate Solutions—While some producers will not revise prices at this time, others have advanced prices on ABC grades. The total range extends from $120 per ton in tankcars to $137.16 works with freight equalization in some instances.

Sodium Nitrate—Demand active and above the available supply leaving the market situation tight. A cargo of Chilean nitrate was delayed in unloading on the Pacific coast as a result of the recent maritime strike but this difficulty is being rapidly straightened out.

Tankage—Priced higher at $9.25 per unit of ammonia at Chicago but unchanged at $9 at New York. Trading relatively quiet with no pressure of offerings in either market.

Phosphates

Phosphate Rock—Opened the new year with supply and demand close to even beam. It was stated that export demand over the last half of the year fell somewhat short of expectations. Domestic shipments have maintained a satisfactory average with production sufficient to level off requirements during the last quarter.

Potashes

Demand for muriate continued exceedingly active over the turn of the year. Steady production has been maintained and shipments have been flush with contract schedules. A new plant is nearing completion and is expected to be in operation some time in March. An ample supply of boxcars has greatly facilitated distribution over the last quarter of 1948, a condition rather unusual for this period in recent years.

Cottonseed Hull Ash—Stocks limited but available at $1.75 per unit of potash in bags delivered. New England tobacco growers have shown interest in this material.

Los Angeles Fertilizer Market

Los Angeles.—Business here this week was slow due to the seasonal leveling off. Nitrogen was short, all other chemicals in fairly good supply. Ruling prices were:—Ammonium nitrate, $75.04 per ton f.o.b. this city. Ammonium phosphate, $65 per ton for 16/20 grade f.o.b. Los Angeles, and $89.30 per ton for 11/48 grade f.o.b. this city. Ammonium sulphate, $48.50 in bulk, $51 in bags. Canadian material $51.60 in bags, $49.60 in bulk. Blood meal, $7.25 per unit of ammonia and source. Bone Meal, $65 per ton for steamed 1 x 30 meal. Fish meal, $141 to $144 per ton f.o.b. Los Angeles for 60 percent California sardine meal. Sodium nitrate, $53 per ton in 100-pound bags. $5 off for bulk. Potassium muriate, 45½c. per unit f.o.b. Trona basis. Bags additional. Potassium sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 f.o.b. this city in bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Market Trends

Prices Advanced

Pyrethrum concentrate, dewaxed, 20%, $1.25 per lb.
extract, 20 to 1, odorless base, $1 per gallon.
flowers, 0.9 percent, 3c. per lb.
Tankage, Chicago, 25c. per unit of ammonia.

Prices Reduced

Sardine meal, Los Angeles, $5.75 per ton.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	72.5

(For Current Prices see Page 9)

Pesticides

Benzene Hexachloride—Production increased in October for the second successive month. The total was 1,447,376 pounds, compared with 1,281,329 in the preceding month. The gamma isomer content of benzene hexachloride amounted to 204,550 pounds in October, against 184,359 in September.

Calcium Arsenate—There were no exports recorded in September. Shipments for the first nine months totaled 3,045,000 pounds, including 1,383,000 pounds to Germany and 881,000 pounds to France. During the same period in 1947, total exports were 1,514,000 pounds with Peru and San Salvador the principal destinations.

DDT—October production amounted to 1,102,571 pounds, the highest since April, 1948. Total output in September was 834,418 pounds.

Lead Arsenate — September exports amounted to 8,500 pounds which brought the nine month's total up to 1,659,000, including 1,158,000 pounds to China. During the same period in 1947, total exports were 2,089,000 pounds.

Nicotine Sulphate—Exports for September were placed at 17,300 pounds and the total for the first nine months of 1948 amounted to 285,000 pounds. For the same period in 1947, exports were 202,500 pounds. Canada was the largest buyer during both periods.

Paradichlorobenzene — Foreign shipments in September were 154,000 pounds. The total for the first nine months of 1948 was 2,088,000 pounds, 13 percent above the same period in 1947. The domestic market was in free supply at the opening of the new year.

Pyrethrum—Higher replacement costs have resulted in an upward revision of prices. Pyrethrum extract 20 to one odorless base is now $6.75 per gallon. The 30 to one pryethrum extract is priced at $8.63 per gallon. The concentrate dewaxed 20 percent for aerosol bombs is held at $8.50 per pound. Pyrethrum powder .9 percent is priced at 29c. per pound and the 1.3 percent at 35½c. per pound.

Rotenone — Only receipts of rotenone bearing material in November were 22,400 pounds of derris root of which 19,000 pounds came from China. Importations of such materials during the first nine months of 1948 totaled 4,055,000 pounds, compared with 11,310,000 pounds for the corresponding period in 1947.

2,4-D — October production totaled 2,319,271 pounds, compared with a revised amount of 1,555,500 in the preceding month.

Sulphur and Pyrites

Demand for sulphur for export has shown an appreciable increase during the past month and it is stated that difficulty has been experienced in handling the expanded volume of business. The increase appears to be the result of purchases in compliance with the ERP program. The domestic movement from mines has continued steady with demand sustained at a relatively high level. Spanish pyrites continued firm with prices unchanged.

For Late Market Developments, See Page 4

Atomic Energy Secrecy

—Continued from page 7

ert E. Wilson, chairman of the board of Standard Oil Company of Indiana; Bruce K. Brown, vice-president, Standard Oil Company of Indiana; Gustav Egloff, director of research of Universal Oil Products Company; Paul D. Foote, executive vice-president of Gulf Research & Development Company, and Jerome C. Hunsaker, chairman of the National Advisory Committee for Aeronautics.

The Group said that in certain respects industry already has an important part in the atomic energy program because of the contract method of operation initiated by the Manhattan engineer district but only in one important area is there any independent industrial activity. Radioactive and stable isotopes which the commission is making readily available, on short notice, in reasonable quantities and at reasonable prices, are being used increasingly for industrial research and metallurgy.

Need for Industry Participation

"But our study" the report stated, "confirms the judgment of the commission which led to the setting up of this advisory group:—there is an unmistakable need for greatly expanded participation by industry in atomic energy development. We recognize, of course, that in this new field of technology it is difficult to predict precisely which of the many American industries will have a direct interest in developments. But it is certainly true that some of the important branches of industry are likely to have a direct potential concern with atomic energy. Among these are the chemical, petroleum, power, heat transfer equipment, metallurgical and instrument industries.

"The difficulty and the danger in the present situation is that industry's part in atomic energy is very limited as compared with the opportunities which exist and always have existed in other fields. The small number of companies which take significant part are selected by the government and the extent of their role in the work is limited by specific assignments from the government.

Problems to Be Solved

"This condition is unfortunate not only because it runs counter to the conviction widely held in America that opportunities for the exercise of enterprise, initiative and ingenuity on a broad scale are essential to national well-being; there is also another and pressing reason for broadening industrial participation. The commission is faced with a multitude of new technical problems which need to be solved promptly in the interest of national security. These are the very kinds of problems which our industrial system has in the past shown itself to be preeminently qualified to solve.

"We think that today the central difficulty in getting a broad industrial attack on the problems of atomic energy is the fact that industry has no way of determining whether important opportunities in fact exist in which to take part. In our view, it is a mistake to think that the seeming absence of conventional incentives to business is the main cause of the present situation. While the hope-of-profit motive may be the primary inducement to industry in entering new ventures, much more than the prospect of immediate profit is involved here.

"It has been stated that industrial opportunities in atomic energy are potentially unlimited. But they are at present so shadowy that business men neither know where to look nor what to look for. Today no one can say whether the prospect of profits or other incentives exist, because under present conditions the great majority in industry know little or nothing about the subject."

Problem of Excessive Secrecy

In discussing the problem of excessive secrecy, the group stated that industry requires information along two quite distinct lines. First, it needs much additional technical and semi-technical knowledge about the whole field of atomic energy. The second is information about the structure of the commission, its administrative policies and its procedures.

The group said that during its survey of the project it observed, for example, interesting and valuable new metallurgical techniques, new chemichal treatments to protect against corrosion, new plastics, instrumentation, and useful technical knowledge of many kinds. This information, although developed in research on atomic energy, is only incidentally related to atomic energy, it was pointed out. And it is still relatively unknown except to those industrial organizations which actively participated in the research through it was discovered.

"We have the impression that for reasons which are not at all clear, much of this knowledge is still buried in the files and activities of the commission," it was stated. "We think the commission should make a special effort to publish it—to the extent that military security will permit—at the earliest possible date. The cost of secrecy is high. This is one of the many instances in which we have thought its value doubtful."

Call for FULTON!

For SAFE-KEEPING of your product, use famous Fulton W.P.P.L.* Textile bags and Fulton Multiwall paper bag.

*Protects against dampness, sifting, evaporation, dissemination, or absorption of odor.

FULTON BAG & COTTON MILLS

Atlanta St. Louis Minneapolis Dallas Denver Kansas City (Kans.) New Orleans Los Angeles New York

FOR SALE

Approximately 17,000 Pounds

HEXACHLOR BENZENE

With Formula of C_6CL_6

Packed in Fibre Board Drums

GREEN & REEDY

FRANKLINTON, LOUISIANA

PHONE: 19-J

CMC

INDUSTRIAL & FINE

Chemicals

Formic Acid

Caustic Potash

Sodium Hydrosulphite

CHEMICAL MANUFACTURING CO., INC.

NEW YORK 6, N. Y.
21 WEST STREET
BOWLING GREEN 9-5360

SAN FRANCISCO
25 CALIFORNIA ST.
YUKON 6-3787

Producers of

SULPHUR

Large stocks carried at all times, permitting prompt shipments

Uniformly high purity of 99½% or better

Free of arsenic, selenium and tellurium

TEXAS GULF SULPHUR CO. Inc.

75 E. 45th Street New York 17, N.Y.

Mines: Newgulf and Moss Bluff, Texas

EDIBLE—TECHNICAL

$^{E}_{G}$ ALBUMEN

For Every Purpose or Use

W. WALTER KOCH CO. 408 West 14th St., New York 14, N. Y.

ALgonquin 5-4020, 4021, 4022

Rotenone

RESINS OR POWDER

ORBIS PRODUCTS CORPORATION

215 PEARL STREET, NEW YORK

ORONITE CHEMICAL COMPANY

THE NAME TO WATCH IN CHEMICALS

D-40 DETERGENT

Has high surface activity, excellent foaming properties, stability, quick solubility in hard or soft water. D-40 gives greater detergency, makes water wetter and is easily blended with other materials.

POLYBUTENES

High dielectric strength, moisture resistance, low power factor, flexibility, tackiness and stability are a few of the outstanding properties of Oronite Polybutenes. Used for electrical insulation, adhesives, leather treatment and bodying, to name a few.

SODIUM SULFONATES
WETTING AGENTS
ALIPHATIC ACID
PHTHALIC ANHYDRIDE
NAPHTHENIC ACIDS
CRESYLIC ACIDS
GAS ODORANTS

ORONITE CHEMICAL COMPANY

38 Sansome Street, San Francisco 4, California • 30 Rockefeller Plaza, New York 20, N.Y.
Standard Oil Bldg., Los Angeles 15, California • 600 S. Michigan Avenue, Chicago 5, Illinois

UNIFORM
DEPENDABLE
PETROLEUM THINNERS AND TECHNICAL NAPHTHAS
Lacquer Diluent
V. M. & P. Naphtha
Stoddard Solvent
Napoleum Spirits
No. 140 Naphtha
Quick Dry Solvent
Mineral Seal
Prices and Samples on Request
DEEP ROCK OIL CORPORATION
155 North Clark Street – Chicago, 90, Illinois

SOLVENTS · NAPHTHAS
BUTANE · PROPANE
Special Petroleum Fractions, Tailormade to Your Individual Requirements . . .
UNIVERSAL PETROLEUM CO.
TULSA, OKLAHOMA PHONE 3-0131

VIKING
Petroleum Solvents
PENTANE • HEXANE • HEPTANE
PETROLEUM ETHER
LIGROIN • BENZINE
Special Solvents for Specific Purposes
LOW COST — HIGH QUALITY
VIRIGINIAN
GASOLINE & OIL CO.
R. V. BLDG., CHARLESTON, W. VA.

PETROLEUM NAPHTHAS and SOLVENTS
FOR: PAINT VARNISH ENAMEL
LACQUER RUBBER EXTRACTION
WAXES POLISHES CLEANERS
Combination Resin-Oil Extenders
Special Petroleum Products
Insecticide Base Oils
SHELL OIL COMPANY
INCORPORATED
50 West 50th Street, New York 20, New York

ULTRA-PENN
Specialists in quality
PETROLATUMS — WHITE OILS
for every purpose
Ultra-Penn Refining Co., Butler, Pa.

absolutely TOPS in quality!
penn drake
WHITE OILS
PETROLATUM
PENNSYLVANIA REFINING COMPANY
BUTLER, PENNSYLVANIA
Branches: Cleveland, Ohio and Edgewater, N. J. Representatives in all Principal Cities

Petroleum Derivatives

Under the holiday influence, the market was generally quiet last week, as producers of petroleum derivatives closed their 1948 books. Prices were uniformly unchanged, and, to most trade observers, the outlook for the new year was one of continued firmness.

Aromatic solvents were available to all regular customers, but stocks were still insufficient to permit offerings to either spot or export buyers. Aliphatics continued in good supply, and bids from all quarters were still being entertained. Higher boiling aromatics and aliphatic-aromatic blends moved steadily through contract channels, but there was no material to spare for other inquiries.

Despite further tightening of propane stocks, due mainly to the widespread cold snap, at least one maker still had a few spot offerings for sale. Butane, however, was extremely scarce, barely sufficient to cover the requirements of contract accounts. Other lighter fractions were in ample supply.

Crude oil settled down to firm postings at all centers, following the recent defeat of proponents of a 35-cent boost. The Bureau of Mines, at the same time, predicted a total new supply of 2,390,000 barrels in 1949, a rise of 2.4 percent above the 1948 total. This figure is expected to provide for an estimated gain of 5.8 percent in total demand.

One Eastern marketer, following the lead of another seller, reduced heavy fuel oil 25 cents per barrel and raised gasoline one-half cent per gallon.

Solvents and Diluents

Aromatic Solvents—Holiday conditions prevailed in the market last week, with activity down to a minimum. Buyers apparently were interested only in covering replacement needs. The overall supply position of petroleum toluol and xylol remained tight, but producers indicated that there was sufficient inventory to meet all normal requirements of regular customers. Apart from that, there was little material to spare, and the spot market was dry. Quotations, which were unchanged during the week, were regarded as firm, and there was little evidence of any price change in the making for early 1949.

What was true for pure aromatics last week applied with equal force to higher boiling aromatics and aliphatic-aromatic blends. Stocks, though not free, were still in good enough supply to accommodate all contract accounts. There were no spot offerings. Listings were maintained.

Cleaners' Naphtha—The price picture for this and other aliphatics is very stable, with no changes expected in early 1949, according to producers last week. Offerings during the week were freely available to all buyers, both spot and contract, as supplies continued excellent. Demand was off a little, owing largely to seasonal influences

Lacquer Diluent—A maker of heptane-, hexane- and octane-type diluents reported that these products were moving nicely in fields outside the protective coatings industry. Inventories of lacquer diluent generally were said to be plentiful, and bids from all sources were entertained. Price-wise, there was no change in any area, nor was any anticipated in the immediate future.

Mineral Spirits—Inventories throughout the trade were generally reported to be excellent. Both spot and contract business was entertained. However, demand last week was quiet, owing primarily to the holiday lull. The price structure was stable. Nowhere in the trade was there any evidence of any imminent adjustments.

Rubber Solvents — Stocks remained plentiful, as demand waned temporarily under the influence of the holiday season. Producers continued to offer material to both spot and contract buyers. Quotations were maintained in all areas. Trade observers regarded the price picture as firm, at least, during early 1949.

Stoddard Solvent—Inventories continued in excellent condition during the past week. Offerings were available to all comers, both spot and contract. Demand was off slightly, owing mainly to holiday influences. Prices were maintained in all areas, and there was little reason to believe that any changes were in the making.

V. M. & P. Naphtha—An excellent supply picture continued to prevail in this section last week. Few inquiries were turned down. However, interest during the week was somewhat quiet because of the holiday. Listings held in all areas. Observers regarded the price picture as stable, at least, for the first part of 1949.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

Butane—Stocks continued scarce last week. Demand remained heavy, despite the holiday. Prices were firm at 6c. per gallon, tanks, group 3.

Heptane—The supply position was excellent. Demand was slightly under previous levels because of the holiday. Listings were maintained at 12½c. to 13½c. per gallon, tanks, group 3.

Hexane—The price structure remained unchanged at 13½c. to 14½c. per gallon, tanks, group 3. Buying interest was fair. Inventories were plentiful.

Pentane—This material continued in good availability last week. Buying interest was down a little because of seasonal influences. Prices held at 10½c. to 11½c. per gallon, tanks, group 3.

Propane—Although stocks were said to be tightening because of cold weather, at least one seller reported offerings of several spot cars. Demand was somewhat slow because of the holidays. Prices were stable at 6c. per gallon, tanks, group 3.

Miscellaneous

Crude Oil—Postings were firm at all centers last week, following the recent defeat of campaigners for a 35c. per barrel advance. The American Petroleum Institute reported daily average crude-oil production for the week ended December 18 at 5,645,000 barrels, or 25,000 barrels above the total of the preceding week. Daily average crude runs to stills of 5,695,000 barrels were 45,000 barrels above the level of the preceding week and 449,000 barrels above the week ended December 20, 1947.

Daily average production of crude in October reached a record of 5,632,000 barrels, according to the Bureau of Mines. Daily average demand increased 186,000 barrels to 5,429,000 barrels during the month, but stocks of domestic origin were built up at an average rate of 203,000 barrels per day, reflecting the sharp gain in output. Total crude stocks, domestic and foreign, were 243,972,000 barrels on October 31, compared with 237,302,000 barrels on September 30 and 231,941,000 barrels on October 31, 1947.

In the forecast for 1949, an increase of 2.4 percent in new supply to 2,390,000 barrels is expected to provide for an estimated gain of 5.8 percent in total demand.

Los Angeles Petroleum Market

Solvents and diluents were moving steadily last week. Prices remained unchanged. Supplies were reported fairly good. Cleaners' naphtha was quoted at 15.9c. per galon, tankwagon, ex-tax.

The market for lighter fractions was brisk. Prices continued unchanged. Supplies were reasonably good. Propane and butane were listed at 9.3c. per gallon, tankwagon, f.o.b. Wilmington, Calif.

Paraffin wax moved slowly during the past week. Demand continued off. Offerings were good. Prices remained steady. High melting point, 140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco Bay area, 9.1c. per pound; 146-148 ASTM, 11.5 pe rpound, and 157-162 ASTM, 13.45c. per pound. Tankcar prices in the order named are 10.875c., 11.15c. and 13.1c. per pound.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 18 totaled 239,435,000 barrels, according to the Bureau of Mines. Compared with the total of 237,735,000 barrels for the preceding week, this represents an increase of 1,700,000 barrels, comprising an increase of 2,408,000 barrels in stocks of domestic crude and a decrease of 708,000 barrels in stocks of foreign crude. Heavy crude-oil stocks in California, not included in the gasoline bearing stocks, totaled 9,929,000 barrels, an increase of 152,000 barrels.

For Late Market Developments, See Page 4

Stanolind Oil Names Plant Superintendents

Stanolind Oil & Gas Company, Tulsa, Okla., has announced the following transfers and promotions of superintendents at its various plants:—

E. J. Yocom, superintendent at the South Jennings recycling plant, Jennings, La., has been transferred to the Hastings gasoline plant, Alvin, Tex. He succeeds C. W. Ward, who has been made superintendent of Stanolind's new Elk Basin plant, Powell, Wyo.

H. W. Jones, plant foreman at the Superior refinery, Vivian, La., was made superintendent at the South Jennings plant, succeeding Yocom.

V. E. O'Donnell, plant foreman at the La Rosa recycling plant, Woodsboro, Tex., was promoted to superintendent of the Luby gasoline plant, Bishop, Tex. He succeeds H. J. Olinger, who was killed in a recent automobile accident.

E. R. Wagner has been named plant superintendent of the company's new Slaughter natural gasoline plant near Levelland, Tex.

Oil Compact Elects Carlson New Chairman

The Interstate Oil Compact Commission elected Governor Frank Carlson, of Kansas, chairman at the closing session of its quarterly meeting in Wichita, Kan. Mr. Carlson succeeds Governor Beauford H. Jester, of Texas, for a one year term. Other officers named were: first vice-chairman, Don T. Andrus, of Bradford, Pa., and second vice-chairman, James McClure jr., of Sardis, Miss.

Warren Petroleum, Chicago Corp. Buy Midland Gasoline Co. Stock

Richard Wagner, president of the Chicago Corporation, and W. K. Warren, president of Warren Petroleum Corporation, have announced that their respective corporations have purchased all of the outstanding capital stock of Midland Gasoline Company not already owned by the Warren corporation. Acquisition by the Chicago Corporation was through a wholly-owned subsidiary.

The Midland company will be operated under Warren management, subject to a board of directors composed equally of Warren and Chicago Corporation representatives. Midland Gasoline Company owns and operates a natural gasoline plant in the Conroe oil field of Texas and currently is producing approximately 45,000 gallons daily of natural gasoline and liquefied petroleum gases.

Aviation Gasoline Survey Reported by Mines Bureau

Octane ratings and other characteristics of commercial aviation gasoline marketed in the United States this year by sixteen manufacturers are listed in the report of a Bureau of Mines semi-annual survey, released recently. Based on July, 1947, production, the report covers sixty-six samples of four grades of aviation gasoline tested in Bureau of Mines laboratories and gives inspection tests data on the same gasolines furnished by the manufacturers.

Results of the semi-annual survey were compiled at the bureau's petroleum experiment station, Bartlesville, Okla. A free copy of the survey, Report of Investigations 4435, "Survey of Commercial Aviation-Gasoline Characteristics July, 1948, Production," may be obtained by writing to the Bureau of Mines, Publications Distribution Section, 4800 Forbes street, Pittsburgh 13, Pa.

Trade Briefs

Shell Transport & Trading Company, Ltd., has elected H. Wilkinson a director.

Union Oil Company has elected William W. Valentine a director. Mr. Valentine is president of the Fullerton Oil Company.

Kenneth W. Haley has been appointed chief engineer of the production division of the Deep Rock Corporation.

Seaboard Oil Company has brought a 40 percent interest in the Silver Tip oil field of Wyoming for $3,000,000.

Godfrey L. Cabot, Inc., raw materials manufacturer, Boston, Mass., recently held a Christmas party for its employees at the Commander hotel, Cambridge, Mass.

William H. Midwinter of the domestic marketing department, Socony-Vacuum Oil Company, New York, is chairman of the dinner committee of the Cathedral Club of Brooklyn. The annual dinner will be held on January 13 at the St. George hotel, Brooklyn.

Enjay will help you!

Are you looking for an oxygenated solvent or hydrocarbon to meet unusual requirements? Whatever your compounding problem, ENJAY'S technical staff is ready to help you get the most out of our products. They are also prepared to work with you in developing new uses for various ENJAY chemicals.

Supported by the nation's largest and most modern petroleum research laboratories, new ENJAY products are constantly being developed and standard products improved. One of them, listed below, may be just what you need. For information, write today.

ENJAY SOLVENTS

PETROHOL* Isopropyl Alcohol (91%, 99%)—$CH_3CHOHCH_3$
Secondary Butyl Alcohol—$CH_3CHOHCH_2CH_3$
Isopropyl Acetate—$(CH_3)_2CHCOOCH_3$
Secondary Butyl Acetate—$CH_3(C_2H_5)CHCOOCH_3$
Isopropyl Ether—$C_3H_7OC_3H_7$
Methyl Ethyl Ketone—$CH_3COC_2H_5$

ENJAY HYDROCARBONS

Butadiene—$CH_2{:}CHCH{:}CH_2$
Isobutylene—$CH_2{:}C(CH_3)_2$
Diisobutylene—$CH_3{:}C(CH_3)CH{:}C(CH_3)_2$ †
Triisobutylene—$CH_3{:}C(CH_3)CH{:}C(CH_3){:}CH{:}C(CH_3)_2$ †

† Other isomers also present.

CTLA POLYMER—An economical heat-reactive, aromatic-type olefinic hydrocarbon. Highly unsaturated. Dries by polymerization and oxidation. Miscible in all proportions with drying oils. Compatible with most resins.

ENJAY

ENJAY COMPANY, INC.
Esso Building, 15 West 51st Street
New York 19, N. Y.

*Registered Trade Mark

PENNOWAX
Oxidized Petroleum Waxes

Emulsions — Floor Polishes
Carbon Paper — Protective Coatings
M.P. 90-190°F. — Acid Value 5-55

AMORWAX
Refined Petroleum Waxes

Paste Polish — Shoe Polish
Laminating — Impregnating
Insulation
M.P. 100-195°F. — Pen. 2-25 — Color—Amber-White

Refined Genuine Yellow Ozokerite
Ceresines — Paraffines

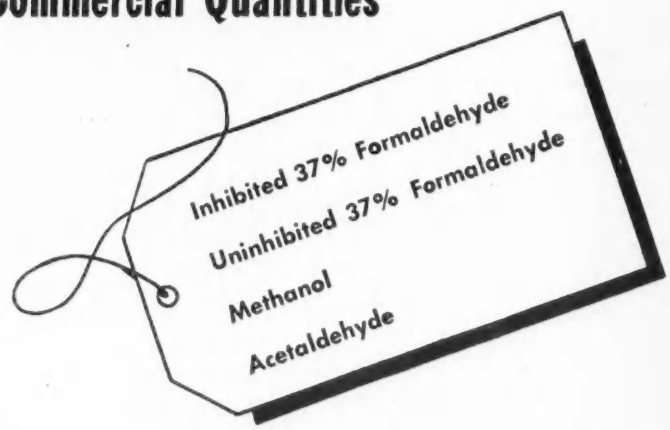
Write for
Formulations, Specifications, Quotations, Tec. Data

PENNOTEX OIL CORPORATION
29 Broadway — New York 6, N. Y

A GLENN McCARTHY ENTERPRISE

McCARTHY

Prompt Delivery in Commercial Quantities



McCarthy Chemical Company is now producing petro-chemicals to meet Industry's growing needs. Large reserves of petroleum gases near the plant site at Winnie, Texas, assure stable and continuous production through facilities of McCarthy-owned and operated gathering, transmission and processing companies. A new fleet of tank cars is making prompt, sure deliveries.

McCarthy Chemical Company
G. M. McGranahan, Vice-President and General Manager
SHELL BUILDING — HOUSTON, TEXAS
Teletype Ho-181 — Phone: Preston 7204

Barrett*

For your convenience, THE BARRETT DIVISION, Allied Chemical & Dye Corporation, announces the following price schedules for Tar Acids and Tar Acid Specialties, effective December 24, 1948:

	Tank Cars	Returnable Drums Carloads	L.C.L.
Phenol, U.S.P., 40° C.....lb.	$.125	$.135	$.1425
85% Solution in water.....lb.	....	.1148	.1212
92% Solution in water.....lb.	....	.1242	.1311
Phenol, Technical, 82-84%.....lb.	.13	.14	.1475
Phenol, Technical, 90-92%.....lb.	.125	.135	.1425
Cresol, U.S.P.....lb.	.185	.1925	.1975
Cresol, Meta-Para 5° B.R.....lb.	.185	.1925	.1975
Cresol, Ortho, 30.4° M.P.....lb.	....	.26	265
Cresol, Ortho, 29° M.P.....lb.	....	.25	.255
Cresol, Ortho, 26-27° M.P.....lb.	.22	.2275	.2325
Cresol, Resin Grade No. 4.....lb.	.1825	.19	.195
Cresol, Resin Grade No. 8.....lb.	.1825	.19	.195
Cresol, Tricresylphosphate Grade.lb.	.185	.1925	.1975
Cresol, Ortho Fraction.....lb.	.185	.1925	.1975
Cresylic Acid, D-2, R-7.....gal.	1.40	1.46	1.49
Cresylic Acid, D-4, R-8, F-1....gal.	1.30	1.36	1.39
Cresylic Acid, D-5.....gal.	1.25	1.31	1.34
Cresylic Acid, 85% Dark.....gal.	1.10	1.16	1.19
Xylenol Fraction R9A.....gal.	1.40	1.46	1.49
Xylenol Fraction R9B.....gal.	1.50	1.56	1.59
Xylenol Fraction R9C.....gal.	1.30	1.36	1.39

TAR ACID SPECIALTIES	L. C. L.
Para Cresol 98-100%—non returnable steel barrels....lb.	$.50
Meta Cresol 70-75%—non returnable steel barrels....lb.	.30
Meta Cresol 80-82%—non returnable steel barrels....lb.	.35
Para Chlor Meta Cresol—Fibre drums.....lb.	1.20
Para Chlor Meta Xylenol—Fibre drums.....lb.	1.50

F.O.B. our plant, Frankford, Philadelphia, Pa.
West Coast shipments by water:—F. A. S. Philadelphia, Pa.

Shipments to destinations west of Kansas City, Mo., are made in non-returnable steel barrels at $.005 per lb., or $0.05 per gallon higher than returnable drum schedule.

TERMS: Net cash 30 days from date of invoice.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.

America's leading manufacturer of coal-tar products

* Reg. U. S. Pat. Off.

Coaltar Chemicals

A number of price revisions were announced in this market last week. Most of them were on the downward side and the bulk of them were effective as of December 24, although official announcement was delayed a few days. They served to bring the weekly price index down to 141.3, a drop of 10 points from the previous week's figure.

Anthraquinone and paracresol were the only materials to advance in price. Those that went down were:—low boil and high boil cresylic acid, xylenol fractions, orthocresol and 82-84 percent phenol.

Last week's action was taken by one producer, but indications were that others might soon follow suit. A number of materials in this market had been under study for some time and although all producers did not announce new prices on or shortly before that date, they were giving the matter their consideration and some were expected to have additional price news before long.

Meanwhile there were no particular changes in the supply and demand situation, except for some minor trends towards easing in both the basic products and the intermediates. Basics were still a bit harder to obtain than were the intermediates.

Steel production was scheduled to go on the upswing again last week after the temporary letdown during the Christmas holidays. The American Iron and Steel Institute reported that steel mills having 94 percent of the capacity of the industry were scheduled at 97.3 percent of capacity.

Production figures used in this report are from the United States Tariff Commission.

Basic Products

Benzol—The supply and demand position of benzol remained largely what it had been. The material was still in a strong demand, but there were no overstocks of it reported to be on the market. In general, however, customers of established standing were able to obtain enough of the item to satisfy their immediate needs.

Coaltar—The supply of this material still was not entirely free during the past week, and the indications were that stocks of it would continue to be on the tight side for the immediate future, at least. Demand for the material was strong and there were no indications that there would be any changes in this situation for the immediate days to come.

The price of the material was without change during the past week, but with the advent of the new year it was difficult to say just what might happen to the listings of this material.

Creosote—Some sellers of creosote were showing more optimism for sales of the material during the new year than they had during 1948. Last Spring the demand for this material began to fall off and although it remained low for some time it began to show some signs of strengthening later on in the year.

Cresol—There were no changes reported in the price structure for this material during the past week, but the item was being watched closely to determine whether any listings could be revised in the immediate future.

Cresylic Acid—One producer last week announced that, as of December 24, new lower prices were to prevail on both the high boil and low boil. Formerly prices for both had been listed at the same figures and were listed together, but last week's announcement caused the materials to be listed separately since prices were to vary. The old prices were in effect and now represented the high of the range. The new low prices were as follows:—high boil, 50 percent (210°-215°); carload, $1.36; less carload, $1.39 and tanks $1.30; low boil, 50 percent (204°-206°) and special blends, carload, $1.46; less carload, $1.49; and tanks, $1.40. Other producers as of last week had no announcements to make on possible revisions.

A report on production of the material during the first ten months of 1948 indicates that June saw the highest output, at which time 2,742,977 pounds of the refined material were produced. The lowest production month was February, when output was at 1,617,458 pounds. The last month for which figures were available was October, during which time the output was recorded at 1,599,421 pounds.

There was a good quantity of the imported material available during the past week, as there had been for some time past. There was not a great deal of interest being shown by buyers of the item, however, for in general users of the material were pretty well stocked. There were no great supplies of the domestic goods on the market, despite reports that there had recently been some easing in the supply situation. Demand for the domestic was good and there were all indications that it would remain that way for the immediate future at least.

Naphthalene—Production by tar distillers of the crude solidifying at less than 79° C. was at its highest point during the month of October, according to figures just released for the first ten months of 1948. During that time output was 20,546,830 pounds. The low month of the period was January, when production was down to 14,142,778 pounds. Production of the refined solidifying at 79°C. and over reached its high point in April, when production amounted to 9,481,434 pounds. The lowest production came in August, when output dropped to 6,149,598 pounds. Production by coke-oven operators of the crude solidifying at less than 79°C. was at its high point in September, when production was 9,863,814 pounds. The low point for the first ten months period was in April, when output was recorded at 7,151,936 pounds. Production for October, the last month for which there was a record, was 9,263,026 pounds, which represented the second best production month in the period.

No price revisions were announced for crude or refined naphthalene during the past week, but with the new year it was not quite certain what might take place as far as listings were concerned.

There had been reports of some easing in the supply of the crude and refined material, but the items were still not entirely free because of the strong demand. Imports of the crude material were helping the supply picture somewhat.

Phenol—On the 82-84 percent, one producer announced last week, that effective December 24, the following prices went into effect:—carloads, 14c.; less carloads, 14¾c., and tanks 13c. These meant that the low side of the price range was reduced by ¼c. per pound. On the 90-92 percent, the producer was in the middle of the range and was dropping its price to meet those on the low side. There were no announcements from other producers on what they might do with listings on this material.

Production of the technical and USP (synthetic and natural) was at its highest point during October. In that month, according to figures just released on the production of the material during the first ten months of the year, output stood at 27,535,860 pounds, as compared to the low production which was in July and was recorded at 15,177,809 pounds.

The technical material was reported to be in about the same position as it had been as far as supply and demand were concerned, and although there were some

Market Trends

Prices Advanced

Paracresol, 98%, 2c. per lb.
92-94%, 2c. per lb.

Prices Reduced

Cresylic acid, high boil, 50% (210°-215°), 25c. per gal.
low boil, 50% (204°-206°), and special blends, 15c. per gal.
Orthocresol, 25°-27°, 3½c. per lb.
Phenol, 82-84%, ¼c. per lb.
Xylenol fractions, 10c. per gal.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
141.3	151.3	156.9	140.3

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended December 25 indicate the following output of by-products from that source:—

Ammonia liquid NH_3.....lbs.	1,131,749
Ammonia sulphate.....lbs.	29,306,549
Benzol.....gals.	3,693,076
Coaltar.....gals.	13,700,122
Creosote oil.....gals.	762,441
Naphthalene, crude.....lbs.	1,810,798
Phenol.....lbs.	214,436
Toluol.....gals.	736,615
Xylol.....gals.	166,784

For Late Market Developments, See Page 4

NOW AVAILABLE IN QUANTITY...

Koppers meta-Cresol 95-98% is a purified Cresol offered to the pharmaceutical, dyestuffs, photographic, agricultural chemicals and perfume industries. This product is now available in commercial quantities with a purity of 95-98%.

Order today from Koppers—a dependable source of supply. Complete information sent upon request.

KOPPERS COMPANY, INC.
Chemical Division, Dept. OP 13
Koppers Bldg., Pittsburgh 19, Pa.

KOPPERS

reports that the supply of the USP was easing because of increased output, the strong demand for this material was still making it one of the more difficult-to-obtain items.

Pyridin—Production figures for this material were still not available for more than a small part of 1948. Output during the first four month for the crude on a dry basis, was:—January, 47,465 gallons; February, 122,093; March, 153,529 and April, 99,344. Production figures available for the refined material indicate the following output:—January, 119,218 pounds; February, 104,499 pounds; June, 171,583.

Prices were reported to be unchanged during the past week, but there were some indications that listings might witness revisions after the first of the year.

Pharmaceutical material was still reported to be in a somewhat tight position during the week. There were no indications that there would be any immediate increased in amount available. There had recently been reports that the denaturing grades were easing a bit as to supply, but because of the strong demand they were not entirely free.

Solvent Naphtha—The refined material was reported to be in a somewhat improved position as far as supply was concerned, but the demand for it was still strong, with the result that the item was still among the hard to obtain materials. Demand for the crude was still being felt at a strong rate and there were no indications that there would be any falling off in the immediate future. Stocks were still tight and the signs were that they would continue that way for some time to come.

There were no changes reported in the price structure for the material during the period under review but with the arrival of the first of the year, the industry was keeping an eye on the material just as it was on many others in the coaltar market.

Toluol—Production of this material by coke-oven operators was at its highest point in June, during which time 2,460,296 gallons of the item were recorded, according to figures just released on the production during the first ten months of 1948. The lowest production was in April, when the output amounted to 1,959,596 gallons. Production from all other sources reached its highest point in February with an output of 5,561,714 gallons. July saw the lowest production, which was 2,458,053 gallons. October, the last month for which figures were available, was within the high and low of the period with an output of 3,618,359 gallons.

Listings on this material were not changed during the past week, and although there had of late been some talk that there might be revisions, there were also other reports that indicated the market would remain steady, so the industry was waiting to see what would happen, if anything.

Demand remained good and supplies were still none too free although old, established customers were generally able to obtain enough of the material to satisfy their immediate wants.

Xylol—Production of the crude from coaltar and from petroleum reached its high point of 1948 during the month of June, when 6,147,291 gallons were produced. The lowest production month was January, during which time 3,517,549 gallons were produced. October, the last month for which there were figures available, stood well with an output of 5,430,416 gallons.

No reports of price changes were received during the past week, and although there had recently been some talk that listings might be revised after the first of the year, there was also some information that indicated they would not, so the industry was waiting to see what would happen.

Supplies were still none to free but were sufficient for customers of long standing to obtain enough for their more pressing needs. Demand continued at a good rate and was expected to remain that way.

Intermediates

Anthraquinone—The quotation on this material advanced last week from 80c. to 85c. with a principal producer, in line with a number of changes that were made in the coaltar market for the first of the year.

Orthocresol—One producer announced last week that as of December 24 its prices were decreased. This maker dropped its figures on the 30° and 29°-30° material to line up with low prices recently established by another producer. This action meant that the high side of the range was brought down to lower fig-

REPUBLIC TOLUOLS

NITRATION—COMMERCIAL

REPUBLIC STEEL

ALSO

BENZOLS 1°—2°

XYLOLS 3°—5°—10°—Commercial

AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL

CORPORATION

General Offices • Cleveland 1, Ohio

BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: **Birmingham, Alabama • Canton, Ohio • Chicago, Illinois Cleveland, Ohio • Gadsden, Alabama • Massillon, Ohio • Warren, Ohio Youngstown, Ohio**

ANILINE OIL
BETA NAPHTHOL
CRESYLIC ACID
NAPHTHALENE
PHENOL
PHTHALIC ANHYDRIDE
TAR ACID OIL
TRICRESYL PHOSPHATE
XYLIDINE

COALTAR CHEMICALS CORPORATION
William D. Neuberg, President
GRAYBAR BLDG., 420 LEXINGTON AVE., NEW YORK 17, N. Y.
TELEPHONE: MURRAY HILL 5-9508
CABLE: "COALTARKEM"

BETHLEHEM
COAL
CHEMICALS

BENZOL (nitration, Industrial, motors)
TOLUOL (nitration and industrial)
XYLOL (industrial)
CRUDE HEAVY SOLVENT NAPHTHA
CRUDE NAPHTHALENE
CRUDE PYRIDINE

From plants at Sparrows Point, Md.; Lackawanna, N. Y.; Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:
Forged pressure vessels • Chemical-plant equipment • Sheets • Alloy studs • Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate) Electrolytic tinplate • Special-coated manufacturing terne plate

BETHLEHEM STEEL

For full details, write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

ures, although the low side remained unchanged. The range for the 30° was to be:—26c. to 33c. in carloads and 26½c. to 33½c. in less than carloads. The range for the 29°-30°, 25c. to 33c. in carloads and 25½c. to 33½c. in less than carloads. The new lower prices for the 25°-27° were:—22¾c. in carloads with a high-of-the-range price of 26c.; 23¼c. in less than carloads and 22c. in tanks. There was no word from other producers on what they might be planning to do.

Paracresol—One producer announced during the past week that, effective on December 24, the price of the 98 percent material advanced from 48c. to 50c. Another producer had taken similar action a few weeks ago. The high side of the range remained unchanged, however, at 65c. The same producer at the same time said that, as of December 24, the 92-94 percent material was advanced in price from 45c. to 47c.

Xylenol Fractions—A drop of 10c. a gallon was reported last week, and became effective on December 24, for this material. The new prices became:—carloads, $1.56; less carloads, $1.59; tanks, $1.60.

Resorcinol Technical Data Published by Koppers Co.

The chemical division of Koppers Company, Pittsburgh, has issued a new fifteen-page technical bulletin describing the properties and uses of resorcinol. The company offers both a technical and USP grade, and the bulletin includes specifications for each grade, as well as information on the handling and storage of this material. A section on the chemistry of resorcinol gives a summary of novel chemical reactions. Another section describes commercially-important applications of this highly reactive dihydric phenol.

Phenol First Quarter Export Quotas Listed

The Office of International Trade, Department of Commerce, has announced country export quotas for phenol for the first quarter of 1949. The quotas for the product, which is assigned census schedule B number 802300, are as follows, in pounds:—

ECA Countries—	
Austria	200,000
Belgium-Luxembourg	550,000
Denmark	100,000
France	200,000
Germany, Bizone	435,000
Greece	7,000
Netherlands	65[illegible],000
Norway	100,000
Portugal	10,000
Sweden	330,000
Switzerland	300,000
United Kingdom	3,700,000
ECA Territories—	
British Territories—	
Hongkong	5,000
Netherland Indies	5,000
Latin America—	
Argentina	175,000
Brazil	75,000
Colombia	5,000
Mexico	10,000
British Commonwealth—	
Union of South Africa	5,000
Far East—	
China	60,000
Korea	25,000
Philippine Republic	5,000
Middle East—	
India	50,000
Total	7,002,000
Special projects	110,000
Undistributed reserve	388,000
Total unauthorized allocation	7,500,000

Pittsburgh Industrial Chemicals

AROMATIC HYDROCARBONS • TAR ACIDS—PHENOL, CRESOLS • SULPHURIC ACID—ALL GRADES • TAR, PITCH and CREOSOTE • SULPHATE OF AMMONIA • TAR BASES—PYRIDINE, PICOLINES SODIUM CYANIDE • SODIUM THIOCYANATE • ACTIVATED CARBONS

Phone ATLANTIC 2290

PITTSBURGH COKE & CHEMICAL CO.
GRANT BUILDING • PITTSBURGH 19, PA

CHAS. PAGE & CO., Inc.

CRESYLIC ACID, A.D.F.
HOT PRESSED & WHIZZED NAPHTHALENE
AND
A WIDE RANGE OF OTHER COALTAR & INDUSTRIAL CHEMICALS

50 EAST 42nd STREET, NEW YORK 17, N. Y.
VANDERBILT 6-0903 CABLES: NINIPAGA

Baird's
HAS BEEN GROWING STEADILY AND STURDILY FOR 40 YEARS
NOW in our 40th Year OF MANUFACTURING
Baird & McGuire, Inc.
HOLBROOK, MASSACHUSETTS

Textile and Leather Chemicals

Higher prices on contracts for sodium and zinc hydrosulphite, basic and normal formaldehyde sulphoxylate, bichromates, sodium perborate and peroxide became effective January 1, as a result of the increased cost of basic materials. Sulphonated tallow was lower with the reduced cost of tallow. Price index was unchanged at 366.5, during the past month, against 396.3 for this time last year.

Business in sizing materials was inactive, but the market closed the year on a steady basis. Corn dextrin and starch were maintained at current quotations. Tapioca flour was firm at primary centers which was reflected in the local market. Rumors of an active inquiry for considerable quantities of potato starch for shipment to France have improved the tone of the market and producers were not anxious sellers, pending the outcome of the reported export deal.

Tanners interest in replacements remained at low ebb. Quotations continued unchanged and entirely nominal. Primary markets were generally steady, despite the limited volume of business transacted during the past few months for American consumption.

Shoe and slipper production totaled 39,000,000 pairs during October and was 7 percent less than in September and 17 percent below October last year, it was reported by Census Bureau. The decline in October from the previous month had the effect of almost leveling production for first ten months of this year with that of the corresponding period last year. Manufacturers' shipments of shoes and slippers in October approximated 40,000,000 pairs, slightly exceeding production and were valued at $148,000,000, an average value of $3.71 per pair, against $3.75 in September and $3.64 in October last year.

Bureau of the Census announced that, according to preliminary figures 23,772,000 cotton system spinning spindles were in place in the United States on November 30, 1948. As of the last working day of the month 21,231,000 were consuming cotton; 1,282,000 were consuming other than cotton, and 1,259,000 were reported idle.

Chemicals

Acetic Anhydride—Holiday influence affected business last week. Market ruled steady at prevailing quotations.

Bichromates—Active consuming inquiry was reported for 1949 first quarter requirements. Contracts have been placed at the advance of ½c. per pound announced late in November. Potassium bichromate was quoted at 12¾c. per pound, carlots, works and sodium bichromate, 10c. per pound, same basis. Export demand was moderate, with actual business limited.

Soda Acetate—Market was quiet as is usual at this season. Prices were unchanged and well held.

Soda Hydrosulphite—Higher prices for 1949 delivery became effective January 1 and were advanced 1½c. per pound. Moderate trading at the increased level was reported for early next year delivery. Carlots were quoted at 24c. per pound and lesser quantities 24½c., works.

Sulphonated Oils—Recent declines in tallow resulted in lower prices for sulphonated grades. Carlots were quoted at 6½c. per pound, and up to 7½c. for smaller quantities. Sulphonated castor oil remained steady with the increased cost of the basic oil, ranging from 17½c. to 18½c. per pound, according to quantity and seller.

Zinc Hydrosulphite—Prices were increased 1½c. per pound effective January 1 on contracts for 1949 delivery. Market was firm reflecting the higher cost of zinc. Consuming inquiry was light. Carlots were raised to 19¾c. per pound, and smaller lots to 20¼c. works.

Sizing Materials

Blood Albumin—New business was reported inactive. Albumin was in good request for delivery on previous orders, while demand for dried soluble blood was slow. Prices were unchanged for both products.

Corn Dextrin—This market was quiet, with a fair call reported for small lots for immediate delivery. Prices were unchanged and well maintained for all grades.

Market Trends

Prices Advanced

Sodium, hydrosulphite, 1½c. per lb.
perborate, 1c. per lb.
peroxide, 2c. per lb.
Sodium-formaldehyde sulphoxalate, 2c. per lb.
Zinc hydrosulphite, 1½c. per lb.
Zinc-formaldehyde sulphoxalate, basic, 2c. per lb.
normal, 4c. per lb.

Prices Reduced

Sulphonated tallow, 1c. per lb.

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
366.5	366.5	366.5	396.3

(For Current Prices see Page 9)

Corn Starch—While business was slow, the market remained on a steady basis. Prices were unchanged and well held. Regulations issued by CCC and PMA governing the making of loans and requirements for the purchase agreement program on corn produced in 1948 were amended in the following states:— Purchase rates, California, $1.70 per bushel, Idaho, $1.55, Oregon, $1.66 and Washington, $1.61. Visible corn supply continued to increase and was boosted 2,982,000 bushels to 43,524,000 bushels for the week ended December 24, compared with 12,126,000 bushels for the corresponding week a year ago, it was reported by the Chicago Board of Trade.

Egg Albumen—Conditions in this market were steady, although trading was slow, as is usual at this season. Supplies on the spot were not heavy and were maintained at current levels. Edible flake ranged from $2.65 to $2.75 per pound, and technical at $1.48 to $1.55 according to quantity and seller.

Egg Yolk—Small lots were in light request. Market was unchanged and firm. Supplies were not abundant on spot and were maintained at 96c. to $1.02 per pound, depending upon quantity and seller. Tanners egg yolk was unchanged at 6½c. to 7c. per pound, as to quantity.

Potato Starch — Business was spotty, chiefly for immediately delivery. Rumors were in the trade to the effect that France was negotiating for a large quantity—up to 20,000 tons, which if confirmed would boost the market at least 2c. per pound. Quotations were unchanged and nominal at 6c. to 6¼c. per pound, carlots New York basis. Maine grinders were maintaining this level, irrespective of heavy inventories at the mills. Stocks in consumers hands were said to be light, in view of the hand to mouth buying of late.

Sago Flour—Buying interest was lacking for prompt and forward delivery. Hostilities in the Netherland Indies have not affected shipments which ranged from 8c. to 8½c. per pound, exdock, depending upon quality. Supplies on the spot were quoted at 8½c. to 8¾c. per pound, as to quantity.

Tapioca Flour—While trading was quiet, the market remained firm. Offers for shipment was light and well held, as the bulk of the crop was reported sold up. Stocks on the spot were without change and firmly held. High grades ranged from 10½c. to 10¾c. per pound, exwarehouse, mediums, 8c. to 9½c. as to quality and low, 6¾c.

Tanning Materials

Chestnut Extract — There was little doing in this material. Trading of late has been confined to actual requirements. Quotations were without change.

Mangrove Bark—While consuming inquiry was fairly active, business continued slow, owing to the scarcity of exportable sizes for shipment. Quotations were unchanged and merely nominal.

Myrobalans — Lack of buying interest continued to affect business. Offers for shipment were liberal with no takers. Prices were unchanged and more or less nominal.

Quebracho Extract — Tanners were working on supplies on hand, and showed little interest in placing orders for replacement, preferring to await further developments of the peso exchange rate situation. Meantime shipments were maintained at former levels.

Valonia—Buying interest was practically nil of late. Primary market was unchanged and firm at the recent price boost for shipments, as a result of a sharp reduction in this season's crop. Quotations were unchanged and nominal.

Wattle—Although trading showed no improvement, primary markets remained steady at prevailing levels. Offers for shipment attracted little attention of late and the market was more or less nominal.

For Late Market Developments, See Page 4

ONE POUND OR A CARLOAD

ALBUMENS

Always Uniform — Always Dependable

Liquid or dried egg albumens—in every form for every industrial use. Write for samples and quotations.

H. Gartenberg & Co., Inc.
Largest Manufacturers of Technical Egg Products
412-16 W. PERSHING RD. • CHICAGO 9, ILL.
Cable Address "Gartegg"

Natural BICHROMATES
NATURAL PRODUCTS REFINING CO.
904 GARFIELD AVE., JERSEY CITY 5, N. J.

To Manufacturers of Chemicals
for the
RUBBER, PLASTIC & DYESTUFF Industry
Well reputed house with an established following in the above industries wishes to take on the distribution of additional chemicals as manufacturers' representative. Box 300, Oil Paint & Drug Reporter.

Mutual Bichromates
BICHROMATE OF POTASH
BICHROMATE OF SODA
CHROMIC ACID
MUTUAL CHEMICAL COMPANY OF AMERICA
270 MADISON AVENUE NEW YORK 16, N. Y.

Do you realize the present economy of YEAST EXTRACT—in supplying a potent source of natural B-Complex?

Fleischmann's

YEAST EXTRACT TYPE 3

. . is a rich natural source of the B-COMPLEX FACTORS found in yeast

- This product gives you not only the easily measured vitamins (Thiamine, Riboflavin, Niacin*, Pantothenic Acid and Pyridoxine) but also other factors of the B-complex—Biotin, Folic Acid, Choline and Inositol.
- Many clinicians and nutritionists believe that these less well-known factors which occur in natural sources of the B-complex may rival in importance those that are well known.
- Remember, also, that this product is a natural source of high potency B-complex factors *in concentrated form.* It has the growth-promoting properties of approximately 3 times its weight in dry yeast.

*Guaranteed (or your money back) potencies per gram: Thiamine (B_1)—300 International Units; Riboflavin—200 micrograms; Niacin—1500 micrograms. Other potencies of B-complex factors not guaranteed.

STANDARD BRANDS INCORPORATED

Special Products Division

Bulk Pharmaceutical Dept. • 595 Madison Avenue • New York 22, N. Y.

Drugs and Fine Chemicals

A still further drop of 1½ to 2 cents per gallon in alcohol prices occurred late last week, as a result of competitive pressure and deliberate price cutting in a market which was over supplied, but in which it was important that manufacturers move large quantities of material.

The declining alcohol market had reached a point where it was pricewise becoming competitive with isopropyl alcohol to the extent that isopropyl alcohol prices were last week reduced 1½c cents per gallon on tankcar quantities, and 1 cent on drum carlot and less carlot quantities. Mercurials held firm, as producers watched the metal market rise sharply, and last week receed somewhat. Producers were not in any rush to adjust salt prices with the metal because of the currently low demand.

Streptomycin salts of the regular types, and dihydrostreptomycin were both reduced in price last week by an amount on the order of 20 percent., applicable in the various classifications in which it is sold. New higher prices become effective January 1 on methylene blue, USP, which amounts to an increase of 21 cents per pound.

Other materials which will show a January 1 price change, and will be quoted in the next issue of OPD are:—borax; boric acid; a number of the borates and biborates; trichlorethylene; perchlorethylene; zinc oxide; mono-, di-, and triethanolamine; ethylene oxide; ethyleneglycol; and epsom salt.

Higher price schedules were announced effective February 1 on cinchophen and sodium cinchophen, riboflavin, sulphadiazine, sulphamerazine, sulphathiozole, and their sodium salts.

In legislation pending before the Brazilian Congress for extension beyond June 30, 1949, of the export-import licensing law, the Government requested that the present exemption from import license for pharmaceuticals be removed. The Government justified its request concerning pharmaceuticals by pointing out that the current exemption covers all preparations but not all raw materials, thus not only favoring the foreign pharmaceutical industry at the expense of the domestic industry, but also having unfavorable psychological effects.

Alcohol—The structure of official price listings in this market last week took a still further drop on the order of 1½ to 3 cents per gallon. The reasons behind the further drop were mainly centered in the competitive situation in which large volumes of alcohol had to be moved in a relatively short period of time in a market characterized by excessive supplies. Accordingly, price cutting in some sections of the market were resorted to in an amount sufficient to bring down the price structure throughout the entire industry.

It was estimated by informed sources in primary markets that new crop molasses would make its appearance in early February at offerings of around 10c. to 12c. per gallon, but the feeling of most heavy buyers was that it would find few takers at that level, and purchases would lag until the offerings were brought down to a point considerably under such a level.

Meanwhile, conditions affecting alcohol were such that it seemed unlikely that prices would soon go up the ladder down which they climbed so precipitously in the past several weeks.

It was understood that when alcohol reached 41c. per gallon that a major fermentation producer operating under a contract for molasses based on a sliding scale tied to the price of alcohol, could at his choosing alter or withdraw from the contract. There was considerable speculation as to what might be done under those circumstances, and the whole situation was being watched with intense interest.

Butyl Alcohol—Normal butyl alcohol was in a somewhat stronger demand as a result of increased operations of the industrial finishes manufacturers. Prices were unchanged at the year end, and appeared to be firm, but the market had hanging over it a cloud of uncertainty with respect to the future price structure, as a result of the heavily declined alcohol market. There was a general feeling, however, that in view of the losses being taken in many quarters on alcohol, that butyl alcohol and acetate prices would be held firm in order to recover some of these losses.

Production of normal butyl alcohol in October was reported by the Tariff Commission at 14,483,925 pounds, compared with 13,057,430 pounds in September.

Market Trends

Prices Advanced

Zinc chloride, N.F., 2c. per lb.

Prices Reduced

Alcohol, ethyl, 2c. per gal.
Alcohol, isopropyl, 1½c. per gal.
Dihydrostreptomycin, 25c. per gram.
Streptomycin, 25c. per gram.

Comparative Price Indexes

(100 = August 1, 1914)

Last week	Prev. week	Last month	Last year
258.5	258.5	259.0	256.3

(*For Current Prices see Page 9*)

Castor Oil—Castor oil held firm in price last week, and there were sales reported of castor beans at $125 per long ton.

Arrivals of beans last week amounted to 23,848 bags, equivalent to 3,577,200 pounds, compared with 84,686 bags, or 12,702,850 pounds the previous week and 73,968 bags, or 11,095,200 pounds during the corresponding week last year.

Total arrivals during 1948 amounted to 1,505,846 bags, equivalent to 225,972,909 pounds, compared to 1,682,546 bags, or 252,381,900 pounds during 1947.

As a stimulus to India's export trade, that government has abolished the export duties of 160 rupees on castor oil and 80 rupees on castor beans per long ton.

Cinchophen—Due to increased manufacturing, freight and labor costs which have been accumulating, the price structure on this item which has been stable for a long time, was scheduled to be advanced in price February 1 by 50c. per pound. This price increase applies to both the standard and the heavy density material.

The sodium cinchophen was also advanced by 50c. per pound effective February 1.

Diethanolamine—Prices on this material were advanced ½c. per pound effective January 1. This brought the schedule to 25c. per pound in tankcars, 26½c. in drum carlots, and 27½c. in less than carlot quantities, with very small lots quoted at 32½c.

Epsom Salt—Prices going into effect January 1 on the USP grade of this item were down 15c. per 100 pounds. This brought the price in carlots packaged in bags, to $2.35 per 100 pounds, and less than carlots to $3.10c. per 100 pounds for shipments of 5,000 pounds or more, and $3.35 for shipments of less than 5,000 pounds.

Ethyleneglycol—The prices on this item which become effective January 1 are 14½c. per pound in tankcars, 16c. in drum carlots, and 17c. in less than carlot drum quantities. These price quotations are on a freight allowed basis. The supply situation remained tight, but was not as bad as it might have been had the fall weather not been so mild. The mild fall weather more particularly affected the alcohol and methanol antifreeze markets, but was to some extent reflected in this one.

Production of ethyleneglycol in October was reported by the Tariff Commission as 33,627,749 pounds, compared to 32,330,507 pounds in September.

Ethylene Oxide—The previously announced price of this material in which one producer quoted 17¾c. per pound in tankcars underwent some revision in the meantime with 1c. being dropped to bring the tankcar price to 16¾c. per pound, freight allowed in the East, and f.o.b. warehouse in the West. Price quotations of 25c. per pound in carlots and 26c. in less than carlots were unchanged. Currently, a tankcar price range of from 15c. to 16¾c. per pound was in effect.

Glycerin—A close balance between supply and demand was maintained last week on this item, with the price structure holding firm at previous levels and no immediate change in prospect. Contract consumers of synthetic glycerin were anticipating substantially better deliveries after the first of the year, but the demand for glycerin was such that the market was not expected to show any easing for a period extending well into 1949.

Production of crude glycerin in November was reported by the Bureau of Census as 15,060,000 pounds, compared with 17,142,000 pounds in October. Factory production of CP glycerin in November was 9,240,000 pounds, compared to 9,530,000 pounds in October. Meanwhile, production figures on high gravity material were shown as 7,069,000 pounds in November, and 6,551,000 pounds in October. Factory and warehouse stocks were continuing low with levels at the end of November,

For Late Market Developments, See Page 4

ALKALOIDS
Glucosides...Drug Extractives

Aconitine, Agaricin, Arecoline, Asparagin, Aspidospermine, Atropine, Berberine, Brucine, Colchicine, Digitalin, Emetine, Ephedrine, Esculin, Eserine, Homatropine, Hydrastine, Hyoscine, Hyoscyamine, Lobeline, Ouabain, Pelletierine, Physostigmine, Picrotoxin, Pilocarpine, Podophyllin, Quassin, Rutin, Salicin, Sanguinarine, Santonine, Scopolamine, Sparteine, Strophanthin, Strychnine, Yohimbine.

INLAND ALKALOID COMPANY
MANUFACTURING CHEMISTS
TIPTON, INDIANA, U.S.A.

INLAND TIPTON, IND
INLAND, THE HOUSE OF ALKALOIDS
PRICE COMMENSURATE WITH QUALITY SINCE 1917

INCREASED QUANTITIES NOW AVAILABLE

PHLOROGLUCINOL

A versatile coupler for acetate black dyeing and diazotype reproduction.

Properties

Crystalline material varying in color from tan to cream, dependent upon grade (commercial or technical). Low in ash and heavy metals. Somewhat soluble in water, soluble in alcohol and ether.

Uses

A versatile coupling agent ... active ingredient in formulations for the development of acetate black dyes ... a resin intermediate ... catalyst for thermosetting plastics ... developer in diazotype direct positive reproduction process.

Working samples available

Write for informative booklet
"Phloroglucinol and Related Products"

EDWAL
Makers of QUALITY *fine chemicals*

The EDWAL LABORATORIES, Inc.
732 Federal Street, Chicago 5, Illinois

comparable to those on hand at the end of October.

Isopropyl Alcohol — Under competitive pressure from ethyl alcohol, the price structure of this material was last week depressed in the amount of 1½c. per gallon in tankcars, and 1c. per gallon in drum carlot and less carlot quantities. Supplies were reported as quite adequate.

Magnesia, Calcined—The synthetic rubber grade of this material was priced over a range of 29c. to 31c. per pound, between various producers on an f.o.b. basis. USP material was firm at 34c. per pound for the light and 36c. for the heavy. Technical material was quoted at 32c. per pound. Supplies were reported as adequate.

Methylene Blue—The USP material was being advanced in price effective January 1 by a major producer. Shipments of 100 pounds or more were priced under the new schedule at $2.87 per pound, f.o.b. works, while 50-pound lots were quoted at $3.02 and 25-pound lots at $3.22 per pound. This was an increase of 21c. per pound on the larger shipments.

Monoethanolamine — Price schedules effective January 1 on this item were advanced ½c. per pound over previous schedules. This brought tankcar quantities to 25½c. per pound, drum carlots to 27c., and less than carlots to 28c. with small quantities quoted at 33c.

Nicotinic Acid and Nicotinamide—The price structure of these items remained firm over the past months, and were expected to hold for the immediate future. Production during September amounted to 95,758 pounds, compared to 66,288 pounds in August.

Potassium Carbonate—The USP grade of granular material was firm in price at 16½c. per pound in drums, and was expected to hold firm well into the new year. Supplies were quite adequate to meet all demands, and in line with other drug items, the volume of business was currently off during the holiday period.

Potassium Chloride—Demand for USP material was slow, with supplies quite ample. The price of 20c. per pound in 250 pound drums which has prevailed over recent months, appeared to be holding firm, and no change at the first quarter was expected.

Riboflavin—Effective February 1 the price structure of this item was scheduled to advance from the current quotation on USP material of $118.75 per kilo to $125. This material has been held unchanged for several months, despite mounting costs of manufacture. The accumulated increases of material costs, labor, and factory maintenance have finally forced an increase in prices.

Streptomycin—Both the regular streptomycin salts and dihydrostreptomycin were reduced in price last week by approximately 20 percent. The net price of 1 gram vials to hospitals was reduced from $1.60 to $1.28 and to wholesalers from $1.28 to $1.03, based on quotations of $1.60 less 20 percent to hospitals and to wholesalers on a discount of 20 percent

U.S.P. GLYCERINE
PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street, New York City 17
LARGEST PRODUCERS AND REFINERS OF
CHEMICALLY PURE
PACKED IN DRUMS AND IN CANS
GLYCERINE
ALSO OTHER GRADES • STOCKS IN PRINCIPAL CITIES

MANUFACTURING CHEMISTS
ACETYL TANNIC ACID
ALBUMEN TANNATE
LAMEX CHEMICAL CORP
15 Spruce Street, New York 7, N. Y.
WOrth 2-2223

LEVER BROTHERS COMPANY
Producers and Refiners of
GLYCERINE
50 Memorial Drive Cambridge 39 Mass.

tuteur hormones
DIENESTROL
TESTOSTERONE
PROGESTERONE, U. S. P.
DIETHYLSTILBESTROL, U. S. P.
NATURAL ESTROGENIC SUBSTANCES
TUTEUR BIO-CHEMICALS, Inc.
60 WALL STREET, NEW YORK 5, N. Y.

Dowe's means Dependable
PRODUCERS OF
FISH LIVER OILS
VITAMIN A CONCENTRATES
VITAMIN D_2
Dowe's Vitamins, Inc.
4800 S. RICHMOND STREET
CHICAGO 32 ILL.

ALUMINUM ISOPROPYLATE
Stock Deliveries and Contract
Immediate Shipment
ORTHO CHEMICAL CORP.
44-26 Purvis Street
Long Island City 1, N.Y.
STillwell 4-8473

PRODUCERS FOR OVER 50 YEARS of Standardized and Biologically Controlled
GLANDULAR PRODUCTS and HORMONES
GEDEON RICHTER
GEDEON RICHTER PHARMACEUTICAL PRODUCTS, INC.
20 Exchange Place, New York 5, N. Y.—HAnover 2-5898 Cable—Lecithin
London N.W. 5, 14-18 Weedington Rd. Cable—Lecithin
Mexico, D.F., Blvd. Miguel Cervantes Saavedra 5 Cable—Prorich
PHARMACEUTICAL TRUST, LTD.
14-18 High Holborn, London W.C. 1, England Cable—Pharmoholb, London

ALL GRADES OF REFINED GLYCERINE
U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY 2, NEW JERSEY

HAVE YOU EXAMINED
THE INTERESTING PROPERTIES OF
Levulinic Acid
AVAILABLE COMMERCIALLY
TECHNICAL INFORMATION & QUOTATIONS ON REQUEST
DEVELOPMENT DIVISION
A. E. Staley Mfg. Co., Decatur, Ill.

and another 20 percent. Other producers moved promptly to meet the competitive price situation, and by late last week were quoting similar levels.

Supplies were described as quite short on dihydrostreptomycin which was in a market of fast growing demand, while the domestic supply of streptomycin salts were sufficient to meet all necessities, but with insufficient material available to meet the heavy export demand.

The United States department of Commerce on December 24 made effective immediately their decision that validated licenses would not be required to export streptomycin to destinations outside of the "R" countries of Europe and adjacent areas. The decision of the Office of International Trade was based on the improved output by domestic producers.

Strontium Lactate—The demand for this item was virtually nil, and most producers had ceased manufacture, holding the item on lists to be made up on order only. Some former producers had stopped quoting prices and accordingly the current prices were merely nominal.

Sulphadiazine—The price schedule of USP powder was slated to be advanced effective February 1, in which the new price schedule would quote 1,000 pounds or more at $10.25 per pound, 500 pounds at $10.30 per pound, and 100 pounds at $10.40 per pound. This is an increase of $1.40 per pound on 100 pound shipments. Reasons for the advance could be found in the increasing manufacturing and labor costs which accumulated during the period that this item was unchanged in price.

Sodium Sulphadiazine in 100-pound shipments was advanced 90c. per pound. The new price schedule on USP material was slated to become $11.25 per pound for 1,000 pound quantities; $11.30 for 500-pound quantities; and $11.40 for 100-pound quantities.

Free flowing crystalline material could be had at a premium of $1 per pound over the powder.

Sulphamerazine—The USP powder was scheduled to be advanced in price effective February 1 by $1.40 per pound in 100-pound shipments. The new price schedule will become $10.25 per pound f.o.b. works for shipments of 1,000 pounds or more, while 500 pounds will be quoted at $10.30; 100 pounds at $10.40; and 25 pounds at $10.75.

A 90c. per pound advance will also become effective February 1 on the sodium salt of USP quality. The new schedule quotes the sodium salt at $11.25 per pound in lots of 1,000 pounds or more, 500-pound lots were quoted at $11.30; 100-pound lots at $11.40 and 25-pound lots at $11.75. These prices are f.o.b. factory.

Sulphathiazole—The USP material was advanced in price effective February 1 by 50c. per pound, bringing the new price schedule on 1,000-pound shipments from $3 to $3.50 per pound on and after February 1. The manufacturer stated that orders for January would be accepted in amounts not in excess of the customers average monthly order. Prices on other quantities will become $3.55 per pound for 500-pound lots, $3.65 for 100-pound lots, and $4 for 25-pound lots.

The sodium salt of USP quality was advanced 50c. per pound, also, and effective

—Continued on page 65

FINE ORGANIC CHEMICALS

METHYL UNDECYLENATE

UNDECALACTONE

UNDECYLIC ACID
and esters

IODO UNDECYLIC ACID

HEPTALDEHYDE

CH-8

Chemical Division
WALLACE & TIERNAN PRODUCTS, INC.
Belleville 9, New Jersey

CITRIC ACID USP

★ Granular
★ Powdered
★ Crystals

LARGE • MEDIUM • SMALL

Chemical Division
McKESSON & ROBBINS INC.
155 EAST 44th ST. • NEW YORK 17 N. Y.
• Offices in All Principal Cities •

RUTIN
In Treatment of Capillary Fragility Associated with Hypertension

SACCHARIN USP
Soluble and Insoluble Powder
Granular and Rice Crystals

PHENACETIN
(Acetophenetidin USP)

SYNTHOMENTHOL
Synthetic Menthol Crystals having cooling effect and odor similar to natural menthol.

SULFONAMIDE PLASTICIZERS

AMINOPYRENE • ANTIPYRENE • ASPIRIN • CAFFEIN
BARBITURATES • SULFA DRUGS • CALOMEL USP
DRUGS

FINE CHEMICALS PHARMACEUTICALS

BENDIX CHEMICAL
CORPORATION

422 LEXINGTON AVE., N. Y. 17, N. Y. MU-3-3204 CABLE ADDRESS: BENDIXCHEM

MAGNESIA

U.S.P.
MAGNESIUM OXIDE
LIGHT
and
HEAVY

MAGNESIUM CARBONATE
U.S.P. LIGHT

GENERAL MAGNESITE & MAGNESIA COMPANY
Specialists in Magnesia
MANUFACTURERS—IMPORTERS—DISTRIBUTORS
Architects Bldg.
PHILADELPHIA 3, PA.

Help your product Sell itself with these AMINES...

Aminoethylethanolamine — for textile finishing compounds, surface active agents.

Ethylenediamine — an intermediate for fungicides, pharmaceuticals, thermoplastic resins.

Diethylenetriamine — adjunct for bright copper plating—addition agents.

Triethylenetetramine — for ion exchange resins in water purification —as softener in rubber reclamation.

Tetraethylenepentamine — for ion exchange resins in sugar refining —as a rosin soap additive.

SYNTHETIC ORGANIC CHEMICALS

CARBIDE and CARBON CHEMICALS CORPORATION

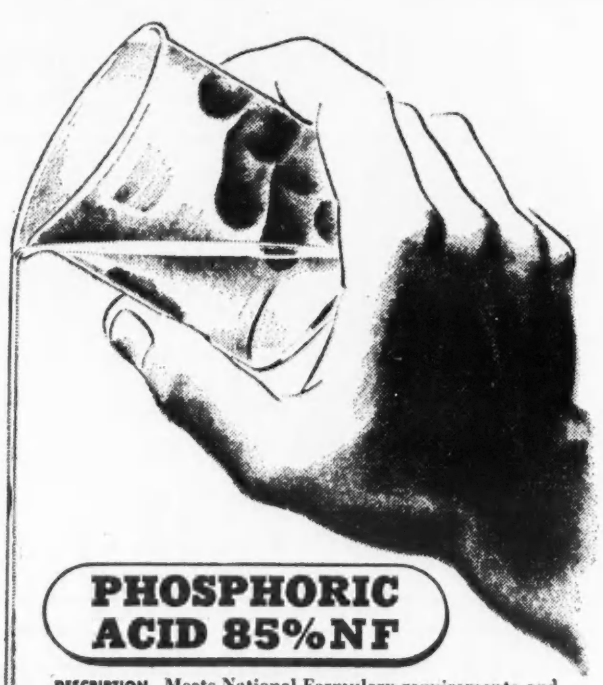
Unit of Union Carbide and Carbon Corporation

30 East 42nd Street, UCC New York 17, N. Y.

Offices in Principal Cities

Sodium
Potassium
Ammonium
BROMIDES
Bromine

J. Q. DICKINSON & CO. :-: MALDEN, W. VA.
FOUNDED 1835



Phosphoric Acid of Unsurpassed Purity

PHOSPHORIC ACID 85%NF

DESCRIPTION Meets National Formulary requirements and surpasses U.S.P. and American Chemical Society specifications for a reagent grade. It is of highest quality...sparkling clear...free of impurities. Specific gravity is 1.69 and weight per gallon 14.1 pounds.

USES For use where highest Purity is desired

CONTAINERS 13 Gallon ICC Carboys (180 Lbs. net), 6½ Gallon ICC Carboys (95 Lbs. net), 5 Gallon ICC Carboys (70 Lbs. net).

WRITE for your copy of the new V-C Chemicals Product Book

V-C CHEMICALS

PHOSPHORIC ACIDS
SODIUM PHOSPHATES
CALCIUM PHOSPHATES

VIRGINIA-CAROLINA CHEMICAL CORPORATION, RICHMOND, VA.

HAND IN HAND WITH INDUSTRY

Britain Amends Rules On Therapeutic Substances

The British government has amended its therapeutic substances regulations as they pertain to "proper names" and the labeling of therapeutic substances, and has set a period of nine months from December 1, 1948, for compliance with the new regulations.

The principal features of the amendments are the establishment of a new definition for penicillin, the revision of the provisions controlling diphtheria prophylactic with special provisions applicable to certain types, a revision of the regulations affective antitoxins and antiserums, and the placing under the provisions of the therapeutic substances act of preparations containing human blood and organic substances with the specific biological action of curare on neuromuscular transmission.

Specific "proper names" for penicillin and penicillin preparations, and for diphtheria prophylactics are provided, and it is specified further that any vial or other container in which a therapeutic substance is offered for sale must bear a label placed on it by the manufacturer. Indelible marking on the container itself as a substitute for a printed label is permitted.

Ethyleneglycol Jan.-Mar. Export Quotas Announced

The Office of International Trade, Department of Commerce, has announced country export quotas for ethyleneglycol for the first quarter of 1949. The quotas for the product, which is assigned census schedule B number 831100, are as follows, in pounds:—

ECA Countries—	
Austria	50,000
Belgium-Luxembourg	50,000
Denmark	5,350
France	75,000
Ireland	5,000
Italy	25,000
Netherlands	100,000
Norway	125,000
Portugal	10,000
Switzerland	100,000
Latin America—	
Argentina	15,000
Brazil	5,000
Chile	75,000
Mexico	10,000
British Commonwealth—	
Australia	15,000
Far East—	
China	150,000
Total	815,350
Special projects	7,500
Undistributed reserve	177,150
Total authorized allocation	1,000,000

Dr. E.J. Cohn to Deliver 1949 Stieglitz Lecture

Dr. Edwin J. Cohn, of the Harvard Medical School, has been chosen to deliver the Julius Stieglitz Memorial Lecture for 1949 at a meeting of the Chicago section of the American Chemical Society in Kent Chemical Laboratory at the University of Chicago on January 14.

Dr. Cohn, who is chairman of the department of physical chemistry in the Harvard Medical School, will speak on "Interactions of Proteins With Each Other, With Cells, and With Smaller Molecular Components of Biological Systems." He will be introduced by Dr. Albert L. Lehninger, assistant professor of biochemistry at the University of Chicago and winner of the 1948 Paul-Lewis Laboratories Award in Enzyme Chemistry.

WHO Approves 1949 Publication Of International Pharmacopoeia

The executive board of the World Health Organization approved the publication of the first International Pharmacopoeia in 1949 at a recent meeting in Geneva. The decision was taken after the organization's expert committee on the unification of pharmacopoeias reported that the advanced state of its work would permit publishing next year. It will be published in French, English and Spanish.

The following members were appointed to the expert committee: Dr. C. H. Hampshire, secretary of the British Pharmacopoeia Commission; Prof. H. Baggesgaard-Rasmussen, of Denmark; Prof. I. R. Fahmy, secretary of the Pharmaceutical Society of Egypt; Dr. E. Fullerton-Cook, chairman of the United States Pharmacopoeia revision committee; Prof. R. Hazard, of France; Dr. D. van Os, of the Netherlands, and Dr. H. Fluck, of Switzerland.

Hospital Pharmacists Elect

The American Society of Hospital Pharmacists has announced that Herbert L. Flack, of Philadelphia, has been named president-elect of the association as the result of a recently counted mail ballot. Other officers named were: vice-president-elect, W. Paul Briggs, and treasurer-elect, Sister Mary Junilla. The new officers will be installed at the annual meeting of the organization in Jacksonville, Fla., during the week of April 24.

Schering Adds to Service Staff

Schering Corporation, pharmaceutical manufacturer, Bloomfield, N. J., has added fifteen representatives to its professional service staff. Twelve of the new representatives have been assigned to the domestic sales division, and the remaining three to the foreign sales division.

three new antioxidants

OCTYL RESORCINOL
. . . for cosmetics

OCTYL CRESOL
. . for industrial products
(Thes have powerful bactericidal action)

PROPYL GALLATE
. . . for edible fats

Write for information to

fine organics, inc., 211b E. 19th St., ew York 3, N.Y.

BEACON HELPS YOU fight rust

TRIETHANOLAMINE PHOSPHATE 728

ANTI-CORROSION ADDITIVE FOR ALL TYPES OF COOLING LIQUIDS USED IN INTERNAL COMBUSTION ENGINES

Characteristics: A yellow viscous liquid soluble in water, alcohols, glycols and glycerine. Sp.G. 130 pH (10% Aq. Soln.) 7.9-8.3

Use: 2.5% in a suitable cooling liquid will inhibit the formation of rust in airplane, automobile, marine engines and industrial cooling systems.

Write today for experimental sample

THE BEACON COMPANY
PURITY · UNIFORMITY · DEPENDABILITY
Chemical Manufacturers
97 BICKFORD STREET
BOSTON 30, MASSACHUSETTS

U.S. Revenue Returns Decreased in November

The Bureau of Internal Revenue of the Treasury Department has reported taxes collected during November, 1948, as compared with similar data for November, 1947. Among the statistics presented are the following:—

	November 1948	November 1947
Coconut and other vegetable oils processed	$768,719.87	$3,128,332.08
Distilled spirits, domestic, excise tax	158,210,469.51	183,988,166.29
Distilled spirits, imported, excise tax	13,947,810.40	9,939,668.61
Gasoline	42,516,033.47	36,994,502.13
Lubricating oils	6,361,249.34	5,068,259.42
Matches	748,263.09	1,314,136.27
Narcotics, including marihuana and special taxes	46,510.13	37,401.70
Oleomargarin, including special taxes	1,233,073.30	702,168.84
Silver bullion sales or transfers, stamp tax	40,350.38	175,288.41
Sugar	5,352,193.85	6,629,525.84
Toilet preparations, excise tax	6,872,541.20	5,386,690.19
Transportation of oil by pipeline	1,339,217.72	1,023,185.56
Total	$237,436,552.26	$254,387,345.34

Italy Permits Export Of Additional Products

The government of Italy has amended its customs regulations to permit the export of the following commodities to free currency countries upon presentation of a bank permit:—

Powdered milk containing sugar; casein; chlorine in liquid form; chromic acid; chromate and bichromate of potassium, sodium and ammonium; chlorosulphuric acid; tanning salts with chromium base; trichloride of ethylene, bichloroethylene, tetrachloroethylene and pentachloroethylene; raw tartar and argols; wine lees; raw calcium tartrate, and carbon pentachloride.

Lakeside Labs Planning Two Year Research Program

Plans for a two year research program for periodic release of prescription specialties were revealed by Evan P. Helfaer, president of Lakeside Laboratories, Inc., Milwaukee, Wis., at a recent meeting of the company's district sales managers. Some of the specialties are to be released to the trade early in January, Mr. Helfaer said.

Trade Briefs

Sterling Drug, Inc., New York, has commenced sponsorship of a daytime television program on a five-day-a-week schedule.

McKesson & Robbins, Inc., New York, has distributed an "Employees Annual Review," describing the company's operations in 1948, to all its employees.

Charles F. Squibb's remains were brought from Paris to New York in December and interred in Greenwood cemetary. Mr. Squibb, son of Dr. Edward R. Squibb, drug manufacturer, New York, and associated with the drug business until 1907, died in Paris February 19, 1942, at the age of eighty-five years.

MANUFACTURERS SINCE 1902

FERROUS SULPHATE

(U. S. P. and Technical Grades)

SELDNER & ENEQUIST, INC.

86-112 Hausman Street Brooklyn, 22, N. Y.

GREEFF

QUININE ALKALOID
QUININE BISULPHATE
QUININE ETHYL CARBONATE
QUININE GLYCEROPHOSPHATE
QUININE HYDROCHLORIDE
QUININE PHOSPHATE
QUININE SALICYLATE
QUININE SULPHATE
QUININE AND UREA HYDROCHLORIDE
CINCHONINE SULPHATE

R. W. GREEFF & CO., INC.

10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

P.L. CHEMISTS

Specializing in the Manufacture of

BIOLOGICAL, ORGANIC and ENZYMATIC PRODUCTS

Calcium Succinate

• For obviating acetylsalicylic acid toxicity in treatment of Arthritis and Rheumatic disorders.

Further Information on Request

Paul Lewis Laboratories, Inc.
MANUFACTURING CHEMISTS
MILWAUKEE WIS.

Lemke

Para Aminobenzoic Acid Lemke
Sodium Para Aminobenzoate Lemke

Specifications:	PARA	SODIUM PARA
Appearance	White ordorless crystalline powder with not more than a faint yellowish cast.	
Reaction (pH):	3.5-4.0	7.5-8.0
Residue on Ignition:	0.1%	— —
Loss on Drying:	0.5%	5.0-7.%
Melting Point:	188-1.0°C	— —
Chloride:	0.04%	0.014%
Sulfate:	0.03%	0.01%
Heavy Metals:	0.002%	0.002%
Assay:	99.5%	9.90-100.5% (dry basis)

Prices and Literature on Request

B. L. LEMKE & CO., INC.
Manufacturing Chemists
248-250 West Broadway, New York 13, N. Y.

HUISKING
SINCE 1010
Pharmaceutical Industrial
CHEMICALS
DRUGS · · · · OILS · · · VITAMINS · · · · ETC.
• Import and Export Merchants •
BUYING AGENTS FOR LEADING FOREIGN HOUSES
SELLING AGENTS FOR AMERICAN MANUFACTURERS

MANUFACTURERS' DISTRIBUTORS of
CAMPHOR USP, DUPONT
Powder & Tablets
MENTHOL CRYSTALS USP
Brazilian, Chinese & Japanese
HYOSCINE HYDROBROMIDE USP
F. G. & D.
SULFUR PRECIPITATED USP
Sylvania
NAPHTHALENE REFINED
Balls, Flakes & Chipped
INSECTICIDES
COAL TAR DISINFECTANTS
OIL CAMPHOR WHITE
COPPER SULFATE
Crystals & Powder
SUGAR OF MILK USP Powder
PAPAIN
SPERMACETI USP
HAARLEM OIL
BEESWAX U.S.P.
Yellow and Bleached
BISMUTH SALTS
SAFFRON
Spanish
IODIDES

CHAS. L. HUISKING & CO., INC.
155 VARICK STREET, NEW YORK 13, N. Y.
Chicago Office
561 E. ILLINOIS ST.
Cable Address
HUISKING, NEW YORK
LONDON AGENTS: Wheeler & Huisking, Ltd., 26 Great Tower St., London, E.C. 3, England

SINCE 1872
PEDER DEVOLD
Finest Norwegian
COD LIVER OIL USP
OILS OF ALL POTENCIES • STANDARDIZED • VITAMIN-TESTED
"The Choice of Careful Bottlers Everywhere"
FROM CAN TO CARLOAD QUANTITIES

PEDER DEVOLD
PURE NORWEGIAN
COD LIVER OIL USP
1 Gal. Cans
Handy—Attractively Lithographed
They contain only the Finest, Freshest, most palatable oil Norway can produce. Vitamin-tested here. A favorite with the Drug Trade here and abroad. Packed 10 to sturdy shipping case.
VITAMINE BRAND OILS (Fortified Poultry C.L.O.)
DEVOLD VITAMIN A & D FEEDING OILS
DEVOLD DRY D3 (For Poultry Feeds)
VITAMIN D2 In Oil
VITAMIN A & D CONCENTRATES
PURE WHEAT GERM OIL

IMPORT P.D. EXPORT
PEDER DEVOLD OIL COMPANY
DIVISION OF CHAS. L. HUISKING & CO., INC.
155 Varick St., New York 13, N. Y. Cable Address: VITAMINE, New York

SANTONIN N.F. VIII
Meeting Requirements of International Pharmacopoeias
ALKALOIDS of AMERICAN MANUFACTURE
SANTONINE COMPANY OF AMERICA
DIVISION OF CHAS. L. HUISKING & CO., INC.
155 VARICK STREET, NEW YORK 13, N. Y. Cable Address SANTONICUS, N. Y.

Dihydrostreptomycin Data Published by E.R. Squibb

A digest of the most recent experimental and clinical work on "Dihydrostreptomycin Hydrochloride Squibb," prepared by the professional service department of E. R. Squibb & Sons is available to physicians and pharmacists.

The digest presents in abstract form six fundamental, clinical and experimental articles on dihydrostreptomycin and its use in the treatment of tuberculosis. Also included are administration and dosage tables for this new antibiotic, and explanations of the methods of preparing and injecting solutions. Copies of the leaflet may be obtained from the professional service department, E. R. Squibb & Sons, 745 Fifth avenue, New York 22, N. Y.

Calif. Chemical Salesmen Elect Oliver as President

The Chemical Salesmen's Association of California has elected W. H. Oliver, of Stauffer Chemical Company, as 1949 president. Other new officers chosen by the group were: first vice-president, Harold Scism, Dow Chemical Company; second vice-president, Raoul J. Landry, Shell Chemical Corporation; third vice-president, Arthur M. Oppedal, Braun-Knecht-Heimann Company; secretary, Arthur McCurdy, Northern Chemical Products Corporation, and treasurer, A. W. Hampelmann, Monsanto Chemical Company.

Rho Chi Organized at Georgia U.

A chapter of Rho Chi, national pharmaceutical society, has been established at the University of Georgia Pharmacy School. Tentatively elected to serve as officers of the chapter are: president, George E. Mudter; vice-president, Har Mote; secretary, Robert M. Styles, a historian, Stephen E. Blackwell.

Sumner Chemical Names Holmes West Coast Agent

Sumner Chemical Company, New Yo has appointed the B. W. Holmes Compa Berkeley, Calif., exclusive representat in California, Oregon and Washington. fore organizing the company which be his name, Mr. Holmes was associated w the Cutter Laboratories in a research production capacity.

Trade Briefs

Lever Brothers Company has nar Otto J. Hajek assistant to the gene sales manager of the Pepsodent divisi He formerly was a sales assistant.

R. F. Revson Company, chemicals, N York, is currently marketing the "Bl dette" automatic powder mixer for use research laboratories, pharmacies, h pitals, cosmetic and other industries.

WANTED
Estrogenic Hormones
AND URINARY CONCENTRATES
Please give price and complete details as to prices, quantities and qualities. Box 299, Oil, Paint and Drug Reporter.

NATIONAL BRAND
MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK 17, N. Y.

ANTIPYRINE
CHEMO PURO LONG ISLAND

Private Formulas
Your own product can be compounded in our laboratories under our scientific supervision, leaving your time free for sales, promotional and other activities. If your product is in the medicinal field, we are in a position to make it. Quotations cheerfully furnished. Inquiries welcomed and kept strictly confidential.
Schieffelin Quality Integrity Service
Schieffelin & Co.
PHARMACEUTICAL AND RESEARCH LABORATORIES
16 COOPER SQUARE • NEW YORK 3, N. Y.

Industrial Application

—Continued from page 7

ethers, used as protective and decorative coatings on woodwork.

Diethyleneglycol Diabietate

Adhesives—Flexibilizer compatible with casein, glues, starches.
Modifier compatible with casein, glues, starches.

Leather—Flexibilizer compatible with casein, waxes.

Miscellaneous—Flexibilizer compatible with waxes.
Modifier compatible with waxes.

Paint, Varnish, and Lacquer—Flexibilizer compatible with casein, glues.
Modifier compatible with casein, glues.

Paper—Flexibilizer compatible with casein, starches, waxes.
Modifier compatible with casein, starches, waxes.

Plastics—Flexibilizer compatible with casein.

Textile—Flexibilizer compatible with casein, glues, starches, waxes.
Modifier compatible with casein, glues, starches, waxes.

Di-isobutylene

Chemical—Reactant in making synthetic chemicals by addition, alkylation, bromination, chlorination, hydrogenation; suggested for use in making textile finishing agents and wetting and dispersing agents.

Paint, Varnish, and Lacquer—Suggested for use in making oil-soluble varnish ingredients.

Resins—Suggested for use in making synthetic resins.

Soap—Suggested for use in making synthetic detergents.

Dipotassium 8-Hydroxy-8-pentadecanephosphonate

Adhesives—Wetting agent (U.S. 2254124) in adhesive preparations.

Chemical—Wetting agent (U.S. 2254124) in emulsions of various chemicals, textile lubricants.

Cosmetic—Wetting agent (U.S. 2254124) in various preparations.

Disinfectant—Wetting agent (U.S. 2254124) in disinfecting and germicidal compositions.

Dry-Cleaning—Claimed (U.S. 2254124) as detergent and dry-cleaning soap.
Wetting agent (U.S. 2254124) in dry-cleaning solutions.

Dye—Wetting agent (U.S. 2254124) in various processes.

Fats, Oils, and Waxes—Wetting agent (U.S. 2254124) in boring, cutting, drilling, and wire-drawing oils; greasing and lubricating compositions; sulphonated oils; wax preparations.

Ink—Wetting agent (U.S. 2254124) in printing and writing inks.

Pesticide—Wetting agent (U.S. 2254124) in fungicidal and insecticidal compositions, horticultural sprays.

Leather—Wetting agent (U.S. 2254124) in dressing, fat-liquoring, finishing, soaking, softening, tanning, and waterproofing compositions.

Metallurgical—Wetting agent (U.S. 2254124) in metal-plating processes.

Miscellaneous—Claimed (U.S. 2254124) as mold inhibitor and effective detergent.
Modifier (U.S. 2254124) of surface tension of liquids in various products and processes.
Wetting agent (U.S. 2254124) in coasters for beer glasses, embalming fluids, polishing and waterproofing compositions, soldering fluxes, various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting.

Paint, Varnish, and Lacquer—Wetting agent (U.S. 2254124) in paints, varnishes, and lacquers, and in pigment manufacture.

Paper—Wetting agent (U.S. 2254124) in sizing, waterproofing, and waxing compositions.

Petroleum—Wetting agent (U.S. 2254124) in cutting oils and mineral oil, pitch, and tar compositions.

Photographic — Wetting agent (U.S. 2254124) in blueprint and photographic processes.

Rubber—Wetting agent (U.S. 2254124) in cements.

Soap—Detergent and wetting agent (U.S. 2254124) in textile soaps and other compositions.

Textile—Claimed (U.S. 2254124) as softening agent of special value, as wetting agent in bleaching, boiling-off, bowking, carbonizing, degumming, dye, fulling, kier-boiling, mercerizing, and soaking baths, and in coating, degreasing, oiling, scouring, sizing, spinning, washing, waterproofing, and waxing baths, and in printing pastes.

Eucalyptol

(Cajeputol, Cineol, Cincole, Eucaliptol, Eucalipto'e, Eukalyptol)

Dry-Cleaning—Spotting agent in dry cleaning.

Explosives—Ingredient (French 554114) of mine explosives.

Food—Flavoring agent in confectionery.

Pharmaceutical — In compounding and dispensing practice (reputed useful as antiseptic in dentifrices, douches, nose and throat sprays, stimulant expectorants, also as a vermifuge).

Plastics — Ingredient (French 554114) of celluloid.

Rubber — Regenerating agent (French 636641) for vulcanized caoutchouc.

FOR QUALITY AND SERVICE
SAPONIN
SODIUM CARBONATE U. S. P.
ZIRCONIUM NITRATE
P&B
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING, N. Y.

ANOTHER FINE G & I PRODUCT • RUTIN • 20 YEARS OF UNIFORM QUALITY
Compare!
SUPERLATIVE PURITY EXTRACTED FROM A SUPERIOR BOTANICAL
STANDARDIZED UNIFORM COLOR NO CHLOROPHYLL OR PIGMENT CONTENT
DEPENDABLE QUALITY AT A COMPETITIVE PRICE
RUTIN
DOMESTIC AND EXPORT
A Reliable Source of Supply
A NAME KNOWN THROUGHOUT THE WORLD
GANE & INGRAM
INCORPORATED
ALKALOIDS • AROMATICS • PHARMACEUTICALS • FINE CHEMICALS
43 WEST 16th STREET • NEW YORK 11, N. Y., U. S. A.

Imports at United States Ports

New York

ALUMINUM, VIRGIN—700 tons, Detroit Casket Co, Netherlands Victory, Venice

AMMONIUM CARBONATE—50 cs, American Veteran, Glasgow

AMYRIS OIL—9 dms, Chemical Bank & Trust Co, Notos, Port au Prince

ANILIN COLORS—31 kgs, Geigy Co, Crux, Rotterdam
36 kgs, Geigy Co, Abbedijk, Rotterdam
60 kgs, Ciba, Ltd, Abbedijk, Rotterdam
16 cyls, Sandoz Chemical Works, Exhibitor, Genoa
3 bbls, Gondrand Bros, America, Le Havre

ANISE SEED—209 bgs, W L Willner Co, Hellenic Star, Beirut

ANTIMONY ORE—2,011 bgs, Assoc Metals & Minerals Corp, Santa Elisa, Antofagasta
1,451 bgs, Philipp Bros Chemicals, Inc, Santa Elisa, Antofagasta
237 bgs, Philipp Bros Chemicals, Inc, Bali, Casablanca
291 bgs, American Union Transport Co, Hellenic Star, Caglari

ARABIC GUM—1,000 bgs, Mohamed Ali Kebir, Beirut
150 bgs, W E Martin Co, Exhibitor, Port Sudan
1,000 bgs, Stein, Hall & Co, Exhibitor, Port Sudan
34 bgs, S B Penick & Co, Exhibitor, Port Sudan
100 bgs, Pan American Trust Co, Exhibitor, Port Sudan

ASBESTOS FIBER—1,320 bgs, Johns Manville Co, Marine Star, Lourenco Marques
614 bgs, Sussex Trading Co, Marine Star, Durban

BABASSU KERNELS—4,998 bgs, Spencer Kellogg & Sons, Inc, Rio Verde, Maranhao
22,489 bgs, General Foods Corp, Rio Verde, Maranhao

BALSAM—2 dms, Wessel, Duval & Co, Cape Cod, Cristobal
10 dms, Magnus, Mabee & Reynard, Inc, Cape Cod, Cristobal
4 dms, Fritzsche Bros, Inc, Cape Cod, Cristobal
15 dms, Dodge & Olcott, Inc, Cape Cod, Cristobal
5 dms, S B Penick & Co, Cape Cod, Cristobal

BAUXITE ORE—2,529 tons, Alcoa Mining Corp, Janna, Paramaribo
3,960 tons, Canada Carborundum Co, Samuel, Chaguaramas
3,960 tons, Carborundum Co, Sundial, Mackenzie

BAY OIL—1 dm, Felton Chemical Co, Janna, Roseau
4 dms, Dodge & Olcott, Inc, Janna, Roseau
2 dms, Polak & Schwarz, Inc, Janna, Roseau
10 dms, Barclays Bank, Janna, Roseau
1 dm, Allied Essential Oil & Chemical Co, Janna, Roseau

BEESWAX—170 blocks, Wm M Allison & Co, Exhibitor, Djibouti
11 blocks, J Swanson Co, Exhibitor, Djibouti
37 bgs, Will & Baumer Candle Co, Canche, Port au Prince
90 bgs, Catz American Trading Co, Coastal Delegate, Havana
23 bgs, Consul Delegate, Havana
31 bgs, E A Bromund Co, Mohamed Ali Kebir, Alexandria
98 bgs, Strohmeyer & Arpe Co, Exceller, Lisbon
24 bgs, Machado & Co, Emilia, Sanchez
17 bgs, Curacao Trading Co, Emilia, Cuidad Trujillo
10 bgs, Machado & Co, Emilia, Puerto Plata
21 bgs, Guaranty Trust Co, Notos, Port au Prince

BELLADONNA LEAVES—167 bls, Biddle, Sawyer Corp, Netherlands Victory, Rijeka

BENZOIN GUM—45 bdls, Marine Midland Trust Co, Fernfield, Singapore

BETAOXY ACDI—18 cms, Max Kettner Co, American Veteran, Liverpool

BUTTONLAC—150 bgs, W Diehl Co, Markhar, Calcutta

BUTYL CARBITOL—1 dm, Bakelite Corp, Mormacoak, Stockholm

CAFFEINE, ANHYDROUS—80 bbls, Lo Curto & Funk Co, Astri, Santos

CANARYSEED—2,227 bgs, Transatlantic Commodities Corp, Bali, Casablanca

CARAWAYSEED—300 bls, Crux, Rotterdam
100 bgs, Rudolph Friedler, Bolivia, Copenhagen

OIL—1 dm, Fritzsche Bros, Inc, Abbedijk, Rotterdam

CARNAUBA WAX—56 bgs, General Wax Refinery Co, Wilhelmina, Bahai
224 bgs, Chase National Bank, Rio Verde, Fortaleza
112 bgs, Colonial Trust Co, Rio Verde, Fortaleza
222 bgs, Wessel, Duval & Co, Rio Verde, Fortaleza
216 bgs, General Wax Ref Co, Rio Verde, Fortaleza
89 bgs, Rio Verde, Fortaleza
22 bgs, Cornelius Products Co, Rio Verde, Fortaleza
168 bgs, W M Allison & Co, Rio Verde, Fortaleza
168 bgs, Frank B Ross Co, Rio Verde, Fortaleza
313 bgs, S C Johnson Co, Rio Verde, Parnahyba
563 bgs, Wax & Rosin Products Co, Rio Verde, Parnahyba

CASEIN—600 bgs, Rio Atuel, Buenos Aires
1,667 bgs, The Hercules Powder Co, Hornero, Buenos Aires

CASHEWNUT OIL—48 dms, Irvington Varnish & Insulator Co, Exhibitor, Mangalore
97 dms, Jacques Bisser, Inc, Exhibitor, Mangalore
56 dms, Act Industries, Inc, Clan Cummings, Mangalore

CASSIA—300 bls, Wah Young Trading Co, City of Alma, Hongkong
100 bls, Archibald & Kendall Co, City of Alma, Hongkong
100 bls, William M Allison & Co, City of Alma, Hongkong
300 bls, H M Newhall & Co, City of Alma, Hongkong

CASTORBEANS—408 bgs, Chase National Bank, Canche, Jackmel
1,694 bgs, Baker Castor Oil Co, Wilhelmina, Bahia
414 bgs, Chase National Bank, Notos, Port au Prince
1,102 bgs, Guaranty Trust Co, Notos, Port au Prince
520 bgs, Baker Castor Oil Co, Notos, Port de Paix
7,980 bgs, Baker Castor Oil Co, Rio Verde, Fortaleza
2,416 bgs, Internatio Rotterdam, Rio Verde, Fortaleza
9,214 bgs, Baker Castor Oil Co, Rio Chico, Santos

CHAMOMILE FLOWERS—40 cs, Sohol Co, Netherlands Victory, Rijeka
60 cs, Peck & Velsor, Inc, Netherlands Victory, Rijeka
60 cs, S B Penick & Co, Netherlands Victory, Rijeka
100 cs, Karl H Landes, Netherlands Victory, Rijeka

CHROME ORE—4,479 tons, E J Lavino & Co, Marine Star, Lourenco Marques

CITRONELLA OIL—4 dms, Fritzsche Bros, Inc, Teltec, Puerto Cortes
80 dms, Givaudan Delawanna, Teltec, Puerto Barrios

CITRONELLA OIL—9 dms, H A Southern Co, Teltec, Puerto Barrios
24 dms, Trubeck Labs, Teltec, Puerto Barrios
40 dms, Norda Essential Oil & Chemical Co, Teltec, Puerto Barrios
80 dms, International Rotterdam Co, Bali, Soerabaya
1 cs, International Rotterdam Co, Bali, Soerabaya
5 dms, Magnus, Mabee & Reynard, Inc, Bali, Tandjong Priok
23 dms, Catz American Co, Bali, Tandjong Priok
18 dms, International Credit Co, Bali, Tandjong Priok

COCOA BUTTER—200 bgs, Woodward & Dickerson, Abbedijk, Rotterdam

COCONUT OIL—316 tons, East Asiatic Co, Bali, Penang
224 tons, Philippine Ref Co, Fernfield, Manila
136 tons, Armour & Co., Fernfield, Manila
19 dms, Armour & Co, Fernfield, Manila
125 tons, A Goss Co, Fernfield, Manila
52 dms, A Goss Co, Fernfield, Manila

CODLIVER OIL—213 dms, Danca Export & Import Co, Jutlandia, Copenhagen
6 dms, Neatsfoot Oil Ref, Fort Townshend, St Johns
168 dms, Lutheran World Relief, Fort Townshend, St Johns
100 dms, Reilly Whiteman Co, Fort Townshend, St Johns
50 dms, E F Drew Co, Fort Townshend, St Johns
100 cks, Scandinavian Oil Co, Fort Townshend, St Johns
25 dms, Whitmoyer Labs, Fort Townshend, St Johns

COPAL GUM—200 bgs, A J Wittenberg Corp, Abbedijk, Antwerp
62 bskts, O G Innes Corp, Bali, Macassar
155 bskts, Colony Import & Export Co, Bali, Macassar
1 pkg, A De Swaan, Bali, Macassar
75 bgs, W H Scheel, Bali, Tandjong Priok
142 bgs, France, Campbell & Darling, Mahenge, Lobito
517 bgs, Commercial National Bank, Mahenge, Lobito
250 bgs, S Winterbourne Co, Mahenge, Lobito
800 bgs, Chase National Bank, Mahenge, Lobito
306 bgs, Guaranty Trust Co, Mahenge, Lobito
1,472 bgs, U S Industrial Chemicals, Inc, Mahenge, Lobito

CRESYLIC ACID—342 dms, Chematar, Inc, Crux, Antwerp
50 dms, Washine Sales Corp, American Veteran, Manchester
260 dms, Coaltar Chemical Corp, American Veteran, Manchester
220 dms, Leha & Fink, American Veteran, Manchester
112 dms, Monsanto Chemical Co, American Veteran, Manchester
173 dms, American Veteran, Manchester
75 dms, National City Bank, American Veteran, Manchester

CYANIDE PRECIPITATE—11 cs, American Metal Co, Santa Elisa, Puna
9 cs, Irvington Smelting & Ref Co, Santa Elisa, Puna

DAMMAR GUM—210 bgs, U S Industrial Chemical Co, Bali, Singapore

DANDELION ROOT—17 bls, Biddle Sawyer Corp, Abbedijk, Antwerp

DELTANAPHTHYLAMINE—41 dms, Nova Chemical Corp, American Veteran, Liverpool

DIGITALIS LEAVES—12 bgs, Peek & Velsor, Inc, Exhibitor, Leghorn

ESSENTIAL OILS—7 dms, Norda Essential Oil & Chemical Co, Cape Cod, Cristobal
11 cs, Polaks Frutal Works, Abbedijk, Rotterdam
9 cs, J Henry Schroder, Rio Atuel, Buenos Aires
3 dms, J Henry Schroder, Hornero, Buenos Aires
3 dms, Fritzsche Bros, Inc, Hornero, Buenos Aires

FENUGREEK SEED—779 bgs, Transatlantic Commodities Corp, Bali, Casablanca

FERTILIZER—3,712 bgs, Woodward & Dickerson, Abbedijk, Rotterdam

FISHLIVER OIL—13 dms, Karr Ellis Co, Templar, Luanda

FUEL OIL—65,422 bbls, Paragon Oil Co, Stanford B Dole, Curacao

GLUESTOCK—384 rolls, John Grovers, Cape Cod, Barranquilla
190 bls, H Remick & Co, Seatrain Havana, Havana
121 bls, Manufacturers Trust Co, Seatrain Havana, Havana

GRAPHITE—1,500 bgs, J Dixon Crucible Co, Exhibitor, Colombo

GLYCERIN—2 cars, Harshaw Chemical Co, Seatrain Havana, Havana

GYPSUM—10,005 tons, U S Gypsum Co, Gypsum Queen, Hantsport

HENNA LEAVES—43 bls, Brown Bros-Harriman Co, Mohamed Ali Kebir, Alexandria
19 bls, Peek & Velsor, Inc, Mohamed Ali Kebir, Alexandria
23 bls, Cora Exchange Bank & Trust Co, Mohamed Ali Kebir, Alexandria
87 bls, J L Hampton Co, Mohamed Ali Kebir, Alexandria
21 bls, R J Prentiss & Co, Mohamed Ali Kebir, Alexandria

ILMENITE SAND—6,900 tons, National Lead Co, Viktor v, Jossingfjord

IPECAC ROOT—10 bls, S B Penick & Co, Cape Cod, Barranquilla

KIRILAC—30 bgs, Exhibitor, Calcutta
300 bgs, Milton Snedeker Co, Marklar, Calcutta
215 bgs, The Mantrose Corp, Marklar, Calcutta

LEAD—50 tons, Ferro Metal & Chemical Co, Netherlands Victory, Trieste
60 tons, Mercantile Metal & Ore Co, Netherlands Victory, Venice
500 tons, Mercantile Metal & Ore Co, Netherlands Victory, Rijeka
150 tons, Netherland Victory, Rijeka

LEMON OIL—1 dm, W J Bush & Co, Astri, Santos

LEMONGRASS OIL—24 dms, H A Southern Co, Toltec, Puerto Barrios
20 dms, Ungerer & Co, Toltec, Puerto Barrios
3 dms, W J Bush & Co, Cape Cod, Cristobal
1 dm, Norda Essential Oil & Chemical Co, Canche, Port au Prince
3 dms, The Trubek Labs, Canche, Port au Prince
6 dms, Chevalier & O'Connor, Clan Cummings, Cochin
25 dms, French American Banking Co, Clan Cummings, Cochin
11 dms, Van Ameringen Haebler Co, Clan Cummings, Cochin
11 cks, Belge Banque, Manenge, Lobito
8 dms, French American Banking Co, Notos, Port au Prince
2 dms, National City Bank, Notos, Port au Prince

LOCUSTBEAN GUM—250 bgs, Brown Bros-Harriman Co, Hellenic Star, Genoa

MAGNESITE, CALCINED—2,712 bgs, Golwynne Chemical Corp, Exhibitor, Madras

MAGNESIUM CARBONATE—50 cs, Chas L Huisking Co, Mohamed Ali Kebir, Genoa

MALEFERN ROOT—27 bgs, Peek & Velsor, Inc, Netherlands Victory, Trieste

MEDICINAL ROOT—10 bls, R J Prentiss & Co, Netherlands Victory, Rijeka

TAR—5 dms, Estrella, Malaga

MICA—140 cs, Asheville Schoonmaker Mica Co, Exhibitor, Calcutta
100 cs, Cornelius & Suhr Co, Exhibitor, Calcutta
2 cs, Eagle Elec Mfg Co, Exhibitor, Calcutta
48 cs, Otto Gerdau Co, Exhibitor, Madras
467 cs, Cornelius & Suhr Co, Exhibitor, Madras
100 cs, Asheville Schoonmaker Mica Co, Exhibitor, Madras
220 cs, United Mineral & Chemical Co, Exhibitor, Madras
15 cs, Asheville Schoonmaker Mica Co, Clan Cummings, Madras
20 cs, Siegfried-Cussell Co, Clan Cummings, Madras
100 cs, Cornelius & Suhr Co, Clan Cummings, Madras
100 cs, Westinghouse Electric Co, Markhar, Calcutta
25 cs, Ernst Roth & Co, Markhar, Calcutta
1,306 cs, Asheville Schoonmaker Mica Co, Markhar, Calcutta
288 cs, Otto Gerdau Co, Markhar, Calcutta
100 cs, Cornelius & Suhr Co, Markhar, Calcutta
250 cs, United Mineral & Chemical Co, Markhar, Calcutta
149 cs, James F Garneau Co, Markhar, Calcutta
21 cs, Whittaker, Clark & Daniels Co, Markhar, Calcutta

MINERAL ASPHALT—330 bgs, Allied Asphalt Mineral Co, Seatrain Havana, Havana

MUCUGE GUM—135 bgs, L A Dreyfus Co, Rio Verde, Bahia

NISPERO GUM—39 cs, L A Dreyfus Co, Cape Cod, Cristobal

NUTMEGS—82 cs, J Berlage, Bali, Macassar
84 cs, George Lueders, Macassar
266 bgs, Catz American Co, Bali, Tandjong Priok
80 bgs, International Rotterdam, Bali, Singapore

NUX VOMICA—676 bgs, Irving Trust Co, Clan Cummings, Cocanda

OCOTEA CYMBARUM—23 dms, National City Bank, Astri, Itajai

OLIBANUM GUM—67 bgs, F Faraone Co, Clan Cummings, Cochin

OLIVE OIL—100 dms, Norport Co, Exceller, Algiers
122 dms, Manufacturers Trust Co, Exceller, Algiers
97 dms, Bonoil Packing Co, Exceller, Algiers
48 dms, Victory Corp, Exceller, Algiers
100 dms, National City Bank, Exceller, Malaga
50 dms, Chemical Bank & Trust Co, Exceller, Seville
50 dms, Manufacturers Trust Co, Exceller, Seville
131 dms, Leghorn Trading Co, Hellenic Star, Izmir
19 dms, National City Bank, Estrella, Malaga
15 dms, Manufacturers Trust Co, Estrella, Malaga
58 dms, New Brunswick Labs, Estrella, Algiers

OPIUM, RAW—439 cs, Netherlands Victory, Istanbul

OURICURY WAX—56 bgs, National City Bank, Wilhelmina, Bahia

PALM OIL—734 tons, Balfour, Guthrie Co, Templar, Matadi
1,090 tons, Balfour, Guthrie Co, Mahenge, Lobito

PAPAIN—135 cs, American Ferment Co, Fernfield, Colombo

PAPRIKA—100 bgs, W L McClinton Co, Santa Elisa, Valparaiso
100 bgs, Ludwig Meyer, Santa Elisa, Valparaiso
400 bgs, R Stone Co, Santa Elisa, Valparaiso
100 bgs, Chase National Bank, Abbedijk, Rotterdam
425 bgs, Biddle Sawyer Corp, Netherlands Victory, Rijeka
75 bgs, Netherlands Victory, Rijeka
1,155 bgs, Exceller, Alicante
50 bgs, American Express Co, Exceller, Alicante
250 bgs, J Navarro Co, Exceller, Alicante
735 bgs, J Weinstein Co, Exceller, Alicante
200 bgs, M J Golombeck Co, Exceller, Alicante
100 bgs, P H Petry Co, Exceller, Alicante
100 bgs, A A Sayer Co, Exceller, Alicante
75 bgs, Gallagher & Ascher Co, Exceller, Alicante
100 bgs, J Sexton Co, Exceller, Alicante
200 bgs, V N Calderon Co, Exceller, Lisbon
100 bgs, Safe Owl Produce Co, Exceller, Lisbon
250 bgs, J Raphael Co, Exceller, Lisbon
250 bgs, M H Golombeck Co, Exceller, Lisbon

PATCHOULI LEAVES—50 bls, Irving Trust Co, Fernfield, Singapore

PEPPER, BLACK—282 bgs, J Berlage Co, Bali, Bangkok
174 bgs, Joensson & Cross, Bali, Bangkok
252 bgs, First National Bank of Boston, Bali, Singapore
84 bgs, Imperial Commodities Corp, Bali, Singapore

WHITE—10 bgs, Bali, Singapore
271 bgs, International Credit, Abbedijk, Rotterdam

PEPPERMINT OIL—1 dm, Metallo Chemical Corp, Astri, Santos

PETITGRAIN OIL—6 dms, Dodge & Olcott Co, Rio Atuel, Buenos Aires
25 cs, Dodge & Olcott Co, Rio Atuel, Buenos Aires
6 dms, Bush Aromatics Co, Rio Atuel, Buenos Aires
9 dms, Polak & Schwarz Co, Rio Atuel, Buenos Aires
40 cs, Ungerer & Co, Hornero, Buenos Aires
13 cs, Magnus, Mabee & Reynard Co, Hornero, Buenos Aires
12 cs, The Manhattan Co, Hornero, Buenos Aires
12 cs, Dodge & Olcott Co, Hornero, Buenos Aires

PETROLEUM, CRUDE—17,028 tons, Esso Standard Oil Co, Esso Pittsburgh, Fahaheel
114,004 bbls, Esso Standard Oil Co, Pine Ridge, Ras Tanura
90,929 bbls, Imperial Oil Co, Ltd, Belinda, Puerto la Cruz
115,163 bbls, Esso Standard Oil Co, Paoli, Cartagena
65,422 bbls, Esso Standard Oil Co, Stanford B Dole, Curacao
15,256 bbls, Esso Standard Oil Co, Esso Reading, Kueait
109,971 bbls, Cities Service Oil Co, Fort Hoskins, Las Piedras
124,446 bbls, Esso Standard Oil Co, Esso New Haven, Puerto la Cruz

POPPYSEED—40 bgs, Crux, Rotterdam
200 bgs, Levy & Levis Co, Abbedijk, Rotterdam
134 bgs, Public National Bank, Hellenic Star, Istanbul

POTASH PERCHLORATE—28 bbls, Chilean Nitrate Sales Co, Santa Elisa, Antofagasta

POTATO STARCH—950 bgs, Stein, Hall & Co, Abbedijk, Rotterdam

PYRETHRUM FLOWERS—333 bls, U S Industrial Chemicals, Inc, Mahenge, Lobito

PYROTECHNICS—50 cs, Allied Metal & Products Corp, Fernfield, Hongkong

QUEBRACHO EXTRACT—500 bgs, International Products Corp, Hornero, Buenos Aires
6,308 bgs, River Plate Import & Export Co, Rio Chico, Buenos Aires

QUICKSILVER—1,000 bottles, Chas Tennant & Sons Co, Exhibitor, Leghorn
500 bottles, Leghorn Trading Co, Exhibitor, Leghorn
500 flasks, Central Hanover Bank & Trust Co, American Merchant, Bilbao

QUICKSILVER—60 flasks, Bankers Trust Co, American Merchant, Bilbao
1,200 bottles, Irving Trust Co, Manuel Calvo, Cadiz
1,500 bottles, Bank of Manhattan Co, Manuel Calvo, Cadiz

RED IRON OXIDE—736 bgs, Landers Segal Color Co, Exceller, Malaga
500 bgs, Irving Trust Co, Exceller, Malaga
200 bgs, Whittaker, Clark & Daniels, Exceller, Malaga
735 bgs, Mineral Pigments Corp, Estrella, Malaga

ROSEMARY OIL—5 dms, Exceller, Alicante

SAGE LEAVES—83 bls, Joensson & Cross, Netherlands Victory, Rijeka

SALVADOR BALSAM—6 dms, Wessel, Duval & Co, Cape Cod, Cristobal
6 dms, Norda Essential Oil & Chemical Co, Cape Cod, Cristobal

SEEDLAC — 135 bgs, Gillespie-Rogers-Pyatt Co, Bali, Bangkok
100 bgs, Bali, Bangkok
600 bgs, William Snedeker, Markhor, Calcutta
200 bgs, Carleton Moffat, Markhor, Calcutta
700 bgs, The Mac Lac Co, Markhor, Calcutta
200 bgs, Haeusen Shellac Co, Markhor, Calcutta
800 bgs, Chas Timm Co, Markhor, Calcutta
300 bgs, Dings & Schuster Co, Markhor, Calcutta
150 bgs, Gillespie-Rogers-Pyatt Co, Markhor, Calcutta
200 bgs, Ralli Bros, Markhor, Calcutta

SHELLAC—300 bgs, William Diehl & Co, Exhibitor, Calcutta
107 bgs, Bali, Bangkok
800 bgs, Gillespie-Rogers-Pyatt Co, Markhor, Calcutta
320 bgs, William Zinsser Co, Markhor, Calcutta
250 bgs, The Mac Lac Co, Markhor, Calcutta
500 bgs, Palli Bros, Markhor, Calcutta

SIENNA—150 bgs, Reichard Coulston, Exhibitor, Leghorn

SODIUM CARBONATE—500 bgs, Yardley & Co, American Veteran, Liperpool

SODIUM CYANIDE—1 bbl, H W Robinson Co, Crux, Rotterdam
300 dms, I B Sobin Co, American Veteran, Liverpool

STYRAX GUM—24 cs, S B Penick & Co, Netherlands Victory, Istanbul
12 cs, Ungerer & Co, Netherlands Victory, Istanbul
12 cs, Peek & Velsor, Inc, Netherlands Victory, Istanbul
48 cs, Norda Essential Oils & Chemical Co, Netherlands Victory, Istanbul
117 cs, Dodge & Olcott, Inc, Netherlands Victory, Istanbul
50 cs, Norda Essential Oil & Chemical Co, Hellenic Star, Izmir

STEARTTE—225 bgs, Whittaker, Clark & Daniels Co, Clan Cummings, Madras

TALC—14,886 bgs, Chas Mathieu Co, Exhibitor, Genoa

TALL OIL PITCH—3,745 dms, Products From Sweden, Mormacoak, Sandare

TANKAGE—497 bgs, Armour & Co, Rio Atuel, La Plata
1,116 bgs, Wessel, Duval Co, Rio Chico, Buenos Aires

TARTAR—401 bgs, Tartaric Raw Materials, Inc, Santa Elisa, San Antonio

TEA WASTE—2,210 bgs, Citro Chemical Co, Markhor, Calcutta

THEOBROMINE—20 dms, Metallo Chemical Co, Hastings, Rotterdam

TOLU BALSAM—150 cs, Bank of Manhattan Co, Cape Cod, Barranquilla

TUCUM KERNELS—333 bgs, E F Drew Co, Rio Verde, Maranhao

TUNG OIL—1 dm, Geismar, Inc, Astri, Santos

TUNGSTEN ORE—500 bgs, Mercantile Metal & Ore Co, Hornero, Recife

UREA—200 cks, Schwabach Export Corp, Mohamed Ali Kebir, Genoa

VANILLA BEANS—41 cks, Thurston & Braidich, Janna, Roseau
11 cks, Zinc & Triest Co, Janna, Roseau
6 cs, Royal Bank of Canada, Janna, Roseau

VETIVER OIL—1 dm, Van Ameringen-Haebler Co, Canchee, Port au Prince
1 dm, Chase National Bank, Notos, Port au Prince

WATTLE EXTRACT—1,893 bgs, Guaranty Trust Co, Marine Star, Durban

WOLFRAM ORE—619 bgs, Wah Chang Trading Co, Bali, Bangkok

XYLOCAINE—2 cs, Astra Pharm Products, Mormacoak, Gothenburg

Baltimore

CHROME ORE—2,251 tons, Irving Trust Co, Marine Star, Lourenco Marques

FLEASEED—536 bgs, Wm G Scarlett Co, Exhibitor, Bombay

MICA—300 bgs, Watson Geach Corp, Marine Star, Lourenco Marques

WATTLE EXTRACT—1,514 bgs, Marine Star, Durban

Boston

ASBESTOS FIBER—3,300 bgs, Johns Manville Co, Marine Star, Lourenco Marques

Philadelphia

December 21 to December 24

LEAD—11,362 kilos, Bers & Co, Blydendyk, Rotterdam

PETROLEUM, CRUDE—115,009 bbls, Socony Vacuum Oil Co, Arickaree, Fahaheel
117,416 bbls, Atlantic Ref Co, Republic, Ras Tanura
143,151 bbls, Gulf Oil Co, Gulfpride, Puerto la Cruz
113,411 bbls, Gulf Oil Co, Gulfpass, Fahaheel
113,914 bbls, Atlantic Ref Co, Conoco Denver, Fahaheel
82,079 bbls, Atlantic Ref Co, Calliroy, Las Piedras
119,944 bbls, Atlantic Ref Co, Atlantic Exporter, Pacmatacual
100,719 bbls, First National Bank of Philadelphia, Montibell Hills, Las Piedras
118,342 bbls, Gulf Oil Co, Gulfshore, Puerto la Cruz
117,707 bbls, Gulf Oil Co, Gulfscout, Puerto la Cruz
117,722 bbls, Gulf Oil Co, Gulfmeadows, Puerto la Cruz
90,406 bbls, Socony Vacuum Oil Co, Mosli, Covenas

SODIUM NITRATE—8,818,000 lbs, The Guaranty Trust Co, Maipo, Tocopilla

San Francisco

December 20 to December 24

CANARYSEED—250 bgs, S L Jones & Co, Thor, Casablanca

CASSIA—35 bls, S L Jones & Co, Chastine Maersk, Hongkong

CELERYSEED—131 bgs, D Hecht & Co, Lawak, Bombay

COPRA—13 tons, Atkins, Kroll & Co, Hongkong Transport, Guam
209 bgs, Native Trading Co, Hongkong Transport, Guam
1,000 tons, El Dorado Oil Works, Indian Bear, Cebu
150 tons, El Dorado Oil Works, Indian Bear, Tacloban

—Continued on page 73

Koppers Names Francis Eastern Traffic Manager

Koppers Company, Inc., Pittsburgh, has appointed H. L. Francis eastern traffic and transportation manager. Mr. Francis, whose headquarters are at Kearny, N. J., will continue his present duties with the gas and coke division, and, in addition, will be the company's traffic and transportation representative in the New York City and New Jersey area.

ECA Announces Additional

—Continued from page 4

industrial chemicals other than alcohol, and a decrease of $108,000 for chemicals and chemical preparations (excluding fertilizers and fertilizer materials and synthetic rubber) from the United States; $100,000 for chemicals and chemical preparations (excluding fertilizers and fertilizer materials and synthetic rubber) from Latin America.

To French North Africa—A decrease of $900,000 for crude oil and petroleum products from the United States.

To Greece—$396,000 for crude oil and petroleum products from Saudi Arabia.

To Iceland—$425,000 for crude oil and petroleum products from Latin America.

To Ireland — $3,000 for essential oils from the United States.

To Netherlands—$60,000 for essential oils, $1,180,000 for copper and copper products, $735,000 for zinc and zinc products, all from the United States; and $6,000 for carnauba and candelilla wax from Latin America.

To Norway—$240,000 for crude oil and petroleum products from the United States and a decrease of the same amount for the same products from Latin America.

To Turkey—$18,000 for industrial chemicals other than alcohol from the United States.

To United Kingdom—A decrease of $2,200,000 for chemicals and chemical preparations from the United States; a decrease of $4,925,000 for crude oil and petroleum products from Latin America; and a decrease of $2,900,000 for crude oil and petroleum products from Saudi Arabia and Bahrein.

Pennsylvania Salt Forms

—Continued from page 4

ical processes for both American and foreign industry.

Mr. Davies, who joined the parent organization in 1934, has been serving as assistant to the president of that organization. He is a member of the aluminum and magnesium industry advisory committee of the Munitions board and chairman of the board's industrial advisory committee on security. During World War II he was civilian scientific consultant to the Chemical Warfare Service.

Mr. Barr joined the engineering department of the Pennsylvania Salt Manufacturing Company in 1929, and has been its export manager since 1944. He served in the technical sales department prior to becoming export manager.

H. S. Hollingsworth has been appointed New York City area sales manager for Arkell & Smiths, manufacturer of Multiwall Paper Bags.

1 (+) Arginine Monohydrochloride

Write for Quotations

NELSON-WELLS & CO.
5727 Duarte Street
Los Angeles 11, Calif.
Lucas 1171

CHEMICAL EXPORT SPECIALISTS

We invite your inquiries for Pharmaceuticals and Industrial Chemicals.

RUXTON CHEMICAL CORP
17 E. 48th St. New York 17, N.Y
PLaza 5-1127
Cable Address: Ruxtonchem

SORBITOL
is a Superior Conditioning Agent

and here's why...
Narrow humectant range
Slower rate of change in moisture content
Non-volatile—"stays put"
Chemically stable
More viscous than lower polyalcohols
Compatible with other polyalcohols

For Full Technical Data
Write for your copy of this new book. Address us on your company letterhead, please.

ATLAS POWDER COMPANY
INDUSTRIAL CHEMICALS DEPARTMENT
Wilmington 99, Delaware

Barnett's
CAROTENE
POTENCIES UP TO 1,350,000 UNITS PER GRAM
Now used in the enrichment of flour, bread, milk, butter, cakes, soup, salad dressing, margarine, pastries and as a source of vitamin A in many pharmaceutical products.
BARNETT LABORATORIES, 6258 CHERRY AVENUE LONG BEACH 5, CALIF.

These Products can help YOU....

- **I.P.I. PLASTICISERS**
  Phenolic Resins—oil and spirit solvent. Watford Commercial and Ureaformaldehyde Resins. Ester Gums. Pentaerythritol Ester Gums.
- **'WATFORD' PENTAERYTHRITOL DRYING OILS**
  Give higher gloss, water resistance, harder, tougher and longer lasting films.
- **'WATFORD' CELLULOSE ESTERS AND ETHERS**
  Cellulose Acetate. Cellulose Nitrate. Methyl Cellulose. Methyl Ethyl Cellulose. Cellulose Sodium Carboxylate.
- **'WATFORD' PLASTICISERS**
  Di-octyl phthalate. Tri-cresyl phosphate. Di-butyl phthalate. Triphenyl phosphate. Di-amyl phthalate. Butyl Stearate. Pentaerythritol laurate.

ESTAX EMULSIFIERS. Nos. 1 to 40 (a range of poly-alcohol fatty acid esters). Representative selection:—

No. 1 *(Pentaerythritol Mono Stearate)*	Shaving Creams, Vanishing Creams, Water Soluble Ointments.
No. 5 *(Glyceryl Mono Stearate)*	Emulsions for all purposes and many industries.
No. 6 *(Di Glycol Mono Stearate)*	Shaving Creams, Cosmetic Creams, Tablet Coatings.
No. 20H *(Propylene Glycol Mono Stearate)*	Emulsifier for Insecticides, Cleansing Creams, Hair Preparations.
No. 21H *(Propylene Glycol Mono Laurate)*	Plasticiser, Ointments, Lipsticks, Skin Creams, Textiles.
No. 22H *(Propylene Glycol Mono Palmito-Stearate)*	In place of Cocoa Butter for Pessaries, Coating Compounds.
No. 28 *(Complex Nitrogenous Ester)*	For all emulsions requiring acid stability. e.g., Detergent Emulsions, Acid Creams, Bleaching Creams, etc.
No. 32 *(Pentaerythritol Di Palmito-Stearate)*	For all pharmaceutical uses, Ointments, Emulsions, Alternative for Lecithin.

Regular Supplies to all parts. Prices and Samples upon request.

WATFORD CHEMICAL CORPORATION
25 West 44th Street, New York
Telephone: VAnderbilt 6-0171

Chemicals and Pharmaceuticals

ACID PYROGALLIC U.S.P.
ACID TANNIC U.S.P.
ACRIFLAVINE N.F.
CALOMEL U.S.P.
CHRYSAROBIN U.S.P.
COUMARIN N.F.
IODINE
IRON AMMONIUM CITRATE GREEN
PROFLAVINE N.N.R.
THEOBROMINE
VANILLIN U.S.P.

MONOCHLOROACETIC ACID
SILICA GEL

(Most of These Items Are Available Below Manufacturers Prices)

Conray PRODUCTS CO.
510 AVENUE OF THE AMERICAS, NEW YORK 11, N.Y.
CABLE ADDRESS "CONRAYPRO"

METALSALTS CORPORATION

MERCURY and MERCURY COMPOUNDS

PHARMACEUTICAL GRADE

- White Precipitate U.S.P.
- Calomel U.S.P.
- Bichloride of Mercury NF VIII
- Mercuric Acetate C.P.

DARSYN LABORATORIES INC.

FINE ORGANIC CHEMICALS

- Antipyrine NF VIII
- 8-Hydroxyquinoline Base
- 5-Chloro-7-Iodo-8-Hydroxyquinoline
- Chiniofon
- Yatren Acid

OTHER DERIVATIVES

METALSALTS CORP.
Manufacturing Chemists
200 WAGARAW ROAD, HAWTHORNE, N. J
HAwthorne 7-6600 • N. Y. Phone PEnnsylvania 6-2626

Bids Wanted

Acetone, 326,300 gallons. Navy Purchasing Office (New York 3), invitation 3856, part 1, January 6.

Acetylene purifier, 600,000 lbs., Navy Purchasing Office (New York 3), invitation 3856, part 3, January 6.

Aluminum sulphate, 6,900,000 lbs., Navy Purchasing Office (New York 3), invitation 3856, part 2, January 6.

Aluminium sulphate, iron free, 14 tons, as required through June 30, 1949, Department of Agriculture (Div. of Purchase, Washington 25) invitation 486-49, January 4.

Ammonium nitrate, 50,000 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio), invitation 038-840, January 5.

Calcium chloride, 700,000 100-pound containers, Navy Purchasing Office (New York 3), invitation 3856, part 2, January 6.

Calcium hydroxide, 605,000 50-pound bags, Navy Purchasing Office (New York 3), invitation 3856, part 2, January 6.

Calcium hypochloride, 10,000 lbs., Quartermaster General Depot (Atlanta, Ga.), invitation 31, January 6.

Carbon tetrachloride, 56,705 gallons, Navy Purchasing Office (New York 3), invitation 3835, part 1, January 6; 2,500 gallons, invitation 3955, January 10.

Caustic soda, 500,000 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio), invitation 038-840, January 5.

Copper sulphate, 8,000 lbs. and copper cyanide, 1,300 lbs., Navy Purchasing Office (New York 3), invitation 3834, part 4, January 6.

Cottonseed meal, 10 tons, Department of Agriculture (Div. of Purchase, Washington 25) invitation 485-49, January 4.

Detergent, hand, 4,900 lbs., Navy Purchasing Office (New York 3), invitation 3835, part 2, January 6.

Detergent, oil buffered, 600 pounds, District of Columbia Government (Washington 1) schedule 12760, January 4.

Grease cleaner, 10,900 gallons, Navy Purchasing Office (New York 3), invitation 2835, part 4, January 6.

Ink, stencil, 2,000 gallons, various deliveries, Quartermaster Purchasing Office (New York 3) invitation 668, January 17.

Lubricating grease, 67,390 lbs., Post Office Department (Washington 25), invitation 2011, January 5; 2,600 lbs., invitation 2013, January 5; 8,500 lbs., invitation 2013, January 5.

Polymer molding powder, 25,000 pounds, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4277, January 10.

Red squill powder, 1,000 pounds, District of Columbia Government (Washington 1) schedule 12729-A, January 4.

Sal ammoniac, 10,000 200- to 300-pound barrels or drums, Navy Purchasing Office (New York 3), invitation 3856, part 2, January 6.

Sizing, 3,500 pounds, District of Columbia Government (Washington 1) schedule 12760, January 4.

Soap, powder, 15,750 pounds, Army Corps of Engineers (P.O.B. 97, Memphis 1, Tenn.) invitation 86, January 7.

Sodium phosphate, 500,000 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio), invitation 038-840, January 5.

Streptomycin, 190,800 one-gram bottles, Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.), invitation 731, January 10.

Thinner, paint, 3,000 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4207, January 4.

Trisodium phosphate, 500,000 lbs., U. S. Air Force (Wright-Patterson Base, Dayton, Ohio), invitation 038-840, January 5.

Turpentine, gum spirits, 4,500 gallons, Army Corps of Engineers (Chicago 6), invitation 491.

Turpentine oil, 8,000 gallons, Aviation Supply Office (Navy Department, Philadelphia 11) invitation 4207, January 4.

Varnish, insulating, 2,500 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 362, January 14; 1,500 gallons, invitation 363, January 14.

Water conditioner, polyphosphate, 1,000 pounds, Army Corps of Engineers (San Francisco 19) invitation 98, January 5.

China's 1949 Tung Oil

—Continued from page 3

over the prospective supply of tung oil as the civil war in China draws nearer to producing regions and export centers.

Trade sources fear that if shipping on the Yangtze is threatened, the volume of arrivals to present centers of export will shrink to a negligible amount. In the past, arrivals of tung oil from the upper Yangtze constituted the bulk of the commercial supply. At the end of November, arrivals from this source were at their low ebb due to the low water level of the Yangtze.

Arrivals would normally begin to improve after April next year, but should the general situation further deteriorate within the next few months, the bulk of the 1948 large production might be shut off from the present export centers.

Exports of tung oil during 1948 were gratifying, although the results obtained would have been better if there had not been the shipping shortage on the Yangtze, failure of the currency reform in August, the West Coast shipping strike in the United States, and low quotations in New York.

FOR SALE

Surplus supply of top quality DINORMAL BUTYL ETHER, ideal for use in extraction processes — as a primary solvent — as a purifying agent. 450 drums available, each weighing 340 pounds.

SPECIAL REDUCED PRICE
7c. per pound
(f. o. b. Berkeley Calif.)

Purchasing Department
CUTTER LABORATORIES
Berkeley 10, California

MUNN'S GENUINE COD-LIVER OIL MADE IN NEWFOUNDLAND
MUNN'S
NEWFOUNDLAND
MEDICINAL NON-FREEZING
COD LIVER OIL
Largest Manufacturers of Cod Liver Oil in Newfoundland for Over Fifty Years
Wire for lowest prices
W. A. MUNN & COMPANY, LTD.
ST. JOHNS - NEWFOUNDLAND

MYANESIN
MENADIONE U.S.P.
HEXYLRESORCINOL U.S.P.
PARA AMINO SALICYLIC ACID

HEXAGON LABORATORIES, Inc.
Manufacturing Chemists
3536 PEARTREE AVE. FA 4-2075 BRONX 66, N. Y.

PIPERAZINE
ACRIFLAVINE
p-AMINO BENZOIC ACID
PENTAMETHYLENE-TETRAZOL
PROCAINE HYDROCHLORIDE U.S.P. XIII

THE POLYCHEMICAL CO.
494 Hunts Point Avenue New York 59, N. Y.
Telephone: DAyton 3-1193

Continental Can Appoints Perin General Sales Head

Continental Can Company, New York, has appointed R. L. Perin general sales manager. In this capacity he will be responsible for the sale of metal containers in all three of the company's domestic metal container divisions. Mr. Perin was formerly sales manager of the central division.

Grey Heads Boston Station of FDA

Shelbey T. Grey has been appointed acting chief of the Boston station of the Food and Drug Administration, replacing Cyril C. Sullivan, who has been chief of the station since May, 1935, it was announced by Dr. Paul B. Dunbar, commissioner of FDA. Mr. Sullivan's resignation was made effective as of December 27 by Dr. Dunbar. Mr. Grey has been assistant chief of the station for several years.

Sorbonne Research Labs Organized in New York

Sorbonne Research & Development Laboratories, Inc., has been organized in New York to specialize in the research and development of cosmetics, perfume, pharmaceuticals, food and other products. The laboratories are located at 33 West Seventeenth street.

Head of the new organization is Dr. Otto H. Sobell, formerly chief chemist of Helena Rubenstein. He was previously chief chemist of the J. R. Watkins Company. Dr. Sobell has organized a staff of researchers in the fields in which the laboratories specialize and has commenced work on several special research projects.

MCA Assigns Crass

Maurice Crass has been appointed acting secretary of the Manufacturing Chemists Association by the association's board of directors to fill the vacancy caused by the death last month of Warren Watson, secretary for eighteen years.

Drugs and Fine Chemicals

—Continued from page 57

February 1 will be quoted at the same level as the above sulphathiazole.

Free flowing crystals could be had at a premium of 50c. per pound over the price of powder.

Theobromine—The price of this material was reported firm at from $6 to $6.25 per pound depending upon quantity. Supplies were sufficient to meet the currently moderate demand.

Triethanolamine — The prices on this item effective January 1 were ½c. per pound higher than previous schedules. Tankcars were quoted at 21½c. per pound, carlot drum quantities at 23c. and less than carlots at 24c. Demand was being maintained at a high level.

Trichlorethylene — The price structure of this material advanced ½c. per pound effective January 1. This brought tankcar prices to 10½c. per pound in zone 1, 11c. in zone 2, and 11½c. in zones 3 and 4. Drum carlot quantities carried a ½c. per pound higher differential over tankcars, and less than carlot drum quantities a differential of 1¼c.

Zinc Oxide—The price schedule of USP zinc oxide was advanced beginning January 1 to 18¾c. per pound in carlot quantities, and 19c. in less than carloads. Demand for the USP grade was slow but steady, and it was felt in some quarters that an increased interest would be shown in this as well as other drug items after the middle of January.

R. GESELL
INCORPORATED

Manufacturing Chemists

★

Specializing in Private Formula Work

★

200 WEST HOUSTON STREET
NEW YORK 14, N. Y.

Progesterone, U. S. P.
Testosterone
Estrogenic Substance
Chorionic Gonadotropin

Prices and samples on request

VITAMERICAN OIL CORPORATION
1 John Street Haledon, N. J.

BPC
Phenyl Acetic Acid
Cinnamic Acid

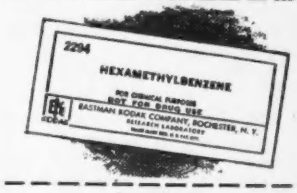
BENZOL PRODUCTS COMPANY
Newark 5, N. J.
MANUFACTURERS OF FINE CHEMICALS

UDA
ethyl alcohol
for paints • plastics • chemical processing
ETHANOL — Absolute
ETHANOL — 190° Proof, U.S.P.
Specially Denatured Alcohol
Completely Denatured Alcohol
SAF-TEX Proprietary Alcohol Solvent
SAF-TEE Super Anti-Freeze
UNITED DISTILLERS OF AMERICA, Inc.
EMPIRE STATE BLDG., NEW YORK 1, N. Y.

BORAX and BORIC ACID
TRONA
BROMINE
Lithium Concentrate
Muriate and Sulphate of POTASH
AMERICAN POTASH & CHEMICAL CORPORATION
122 EAST 42nd STREET • • • NEW YORK 17, N. Y.

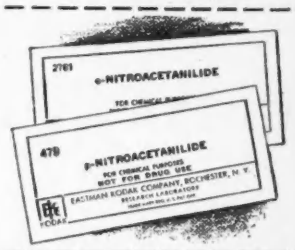
Sometimes you need a Beakerful, not a Carload

Wondering what decomposition products you'd get from a gram of completely methylated benzene?



Speculating on the possible advantages of using a really pure solvent?

Considering the effect of a change in position of substituents in your process intermediate?



Trying to work out a reaction that starts from two bromines and a hydroxyl on three adjacent carbons?

Eastman maintains the world's most complete stock of organic compounds. Next time you need chemicals in laboratory quantities it will save you time and money to remember that.

EASTMAN KODAK COMPANY
Organic Chemical Sales Division
KODAK ROCHESTER 4, N. Y.

THERE ARE SOME 3000 EASTMAN ORGANIC CHEMICALS

MAGNUS MEANS RELIABILITY

M&R MAGNUS

Powerful Neutralizer
for Kerosene-Base Products—

NEUTRALIZER NO. 801 MM&R

Used in many leading products, Neutralizer No. 801 MM&R is outstanding for its superb covering power. Will completely counter-act even the most stubborn ingredient odors.

For best results, send sample of product to MM&R Technical Div.; treated sample will be returned, together with recommendations for most efficient use of Neutralizer No. 801 MM&R. No obligation, of course.

Write MM&R for further information

MAGNUS, MABEE & REYNARD, INC.

16 DESBROSSES STREET, NEW YORK 13, N. Y.
221 NORTH LA SALLE STREET, CHICAGO, ILL.

Los Angeles: Braun Corp. • Seattle, Portland, Spokane: Van Waters & Rogers, Inc.
San Francisco: Braun-Knecht-Heimann Co.

SINCE 1895...ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS

MYSORE GOVERNMENT SANDALWOOD OIL

Distilled at Linden, N. J., from selected Mysore Heartwood by Sole Distillers and Selling Agents

W. J. BUSH & CO.
INCORPORATED
11 East 38th Street, New York 16, N. Y.

ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

Florasynth LABORATORIES, INC.
1533 OLMSTEAD AVE. • N. Y. 61, N. Y.

SUPREME AROMATICS
ESSENTIALS • FLAVORING
PERFUME • OILS

Chicago 6, Los Angeles 13 and other principle cities in the U. S., Canada and Mexico

Spot TERPENES OF ORANGE-LEMON-LIME Available in drum lots

FLAVORING MATERIALS | ESSENTIAL OILS | AROMATIC CHEMICALS

D. W. HUTCHINSON & CO., INC.

162-164 FRONT STREET, NEW YORK 7, N. Y. | FOUNDED 1896 | Telephone: WHitehall 3-4774

PERFUME MATERIALS · FLAVORS

FIRMENICH & CIE
SUCCESSEURS DE
CHUIT, NAEF & CIE
GENÈVE SUISSE

FIRMENICH & CO.
250 WEST 18th STREET, NEW YORK 11, N. Y.
CHICAGO OFFICE: 612 NORTH MICHIGAN AVENUE
IN CANADA: CARAMEED, LTD., 350 WALLACE AVENUE, TORONTO

Essential Oils, Other Aromatics

The final week of the year brought a rising market in cardamom, costus, lavandin, lavender, lemongrass and snakeroot oils and the reversal of price trend was tempered but slightly by a reduction in the price of Algerian geranium. The market index rose 0.4 point and became 102.6 in comparison with 151.1 prevailing a year ago when price changes were evently divided between ups and downs, although the weight of change was on the up side of the market.

In the main, the advances reported last week were caused by shifting of replacement costs. Most of the articles that closed the period at higher levels were materials in relatively light supply—a fact that made replacement costs almost immediately influential on spot quotations. Also, substantially less competition existed in local circles and sellers in most instances were reserved in the making of offerings.

The past year was not one generally productive of satisfaction among dealers. The almost continuous decline of quotations made it difficult for a fair profit to be shown on a reasonably good total volume of sales. However, sellers indicated last week that they believed the sustained drop in values is probably near its end and given good, steady demand during 1949, the trade may be able materially to improve its position during the next twelve months.

Conditions in China and Java continued to be adverse to the maintenance of normal transactions in such oils as anise, cassia, ho, citronella, cajeput, cananga, patchouli and palmarosa oils. All were either actually or potentially firmer to stronger on spot and will be watched closely in early 1949.

Market Trends

Prices Advanced

Anise oil, 2c. per lb.
Cardamom oil, $3 per lb.
Costus oil, $5 per lb.
Lavandin oil, 10c. per lb.
Lavender oil, 38-42%, 25c. per lb.
Lemongrass oil, 5c. per lb.
Snakeroot oil, Canada, $5 per lb.

Prices Reduced

Geranium oil, Algerian, 25c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
102.6	102.2	101.4	151.1

(For Current Prices see Page 9)

Essential Oils

Anise—The spot market was a trifle higher, ending the year at 80c. to $1 per pound, a range prevailing according to dealer. Only one dealer named the minimum figure. The balance of the trade ranged the article 85c. to $1 and several refused business at less than 90c. The whole situation ties in with the replacement situation in war-torn China.

Bay—The year ended quietly so far as business in this item was concerned. Buyers were mainly aloof from the market, a fact not productive of any weakening of the price situation. Sellers maintained steady views and quotations were in line with replacement.

Bergamot—Some expected that trade would look up moderately after the turn of the year. This view was based on a survey of takings during the past quarter by a number of fairly large users of the Italian oil. Such takings were found to be subnormal. However, some of the larger consumers were known to hold better than fair sized inventories.

Birchtar—Since stocks were relatively small and poorly distributed, it was perhaps just as well that demand was not better than it was; otherwise, many potential buyers would have found it impossible to get prompt deliveries. Prices were firm.

Bois de Rose—During the period April-June, 1948, Brazil exported ten metric tons of this article of which quantity 3 tons came to the United States. These figures compared with those for the corresponding 1947 period as follows:—Total export, 9 metric tons; to the United States, 7 metric tons. Exports for the period January-June, 1948 were a total of 31 metric tons of which the United States received 20 tons. The figures were supplied by the U. S. Embassy at Rio Janeiro.

Cardamom — The market continued to advance, being responsive to the higher replacement costs that stem from the very high price levels held by raw material. The market ended the year at $35 to $38 per pound, ranging according to dealer. The minimum price was high for the whole year and some expect continued rise.

Cassia—Some quarters were talking lower prices on this article, mentioning $1.75 in one instance. However, there has been a considerable amount of inquiry locally with the intent of picking up "bargain" lots, this because of the vastly unsettled situation in China where exports may eventually be suspended temporarily. About ninety-nine percent of suppliers ranged the article $1.90 to $3.75 per pound as to seller and amount.

Cedarleaf — The market was generally steady but interest of buyers was confined strictly to lots of jobbing size and the total of transactions was relatively small. It was sufficient to eliminate most competition on spot and to make for price maintenance.

Cedarwood—The decline was not extended further last week and the market ended the year on the basis of 40c. per pound in drums, being the minimum of spot prices. Some said that undertones appeared to have become somewhat more steady.

Cinnamon — Exports of Ceylon oil in June, 1948, were said to have totaled 8,625 pounds as compared with 5,094 pounds in July, 1947. The price obtained was said to average 30c. per pound. The local market was inactive in the matter of firm orders but comparatively steady as to price.

Citronella—Some fear that exports of this oil from the Far East may be curtained by the political situation that finds the Dutch government displacing that of the Indonesians. It would appear that only Java oil would come within this situation. Exports from Ceylon should be unimpeded. In the second quarter of 1948, Ceylon exported 421,714 pounds of oil as compared with 483,035 pounds in the first quarter of the year. Of the total exported, the United States received 55,441 pounds; the United Kingdom, 194,218 pounds; and Egypt, 90,831 pounds.

Clove—Spice still held strong in the Madagascar market, contributing added strength to the local oil market and tending to force further price advances, probably after the turn of the year. The strength of the spot market was evident in the almost total absence of incisive competition among suppliers.

Costus—Few had any of this article to sell and the limited quantities available were said to have been revalued upward to the basis of $45 per pound as a minimum quotation. The cost to replace this article was said to be on the rise.

Dillweed—Though most sellers continued to maintain a strong view on spot prices, occasional reports mentioned the possibility of buying at $8.25 per pound the oil which most quarters ranged $8.50 to $9.25. As low as $7.75 per pound was productive of considerable gossip but the consensus was that someone wanted to buy and was attempting to affect the market for that reason. The fact was that not much of the 1948 crop of oil remains unsold and to the extent that buyers' necessities are pressing, dealers can virtually set their own market at the moment.

Geranium—Leading suppliers of the Algerian variety of this oil maintained exceptionally steady price views at a minimum of $10 per pound. However, there was some talk of this price being occasionally shaded to the extent of 25c. per pound and one dealer did quote openly at $9.25. Bourbon oil remained at $8.25 as the lowest price at which the article was obtainable.

Ginger—Raw material costs to distillers have not changed much for some time past and reports from primary market points suggested the presence of considerable strength in the price for root. Oil ended the year in very steady position and free from much in the way of competition between dealers supplying the item.

Lavandin—The market has been moved up to the minimum of $1.40 per pound and the item ranged very widely to as high as $3.75. The apparent strength on spot traced more to replacement cost than to any material improvement in consuming demand last week.

Lavender—Quotations on 38-42 percent ester oil continued to be advanced and that article ended the year on the basis of $3.50 to $4.10 per pound prevailing according to seller and quantity. No change was made in prices on 30-32 percent oil but that article gained firmness

For Late Market Developments, See Page 4

from the generally strengthened undertones prevailing at home and abroad.

Lemon—Sellers looked forward to a market of considerable stability so far as domestic oil was concerned. Competition has shown no expansion for some time past and with better than fair business forecast for the first quarter of the new year, a well maintained market was expected by practically everyone.

Mandarin—Competition failed to depress prices any further and a fairly steady market prevailed at $8.75 to $9.30 per pound last week. Demand was generally light. Exports from Brazil in January-June, 1948 were reported at 40 metric tons of which the United States received 33 tons.

Orange—Trading was mainly in small lots required by comparatively small consumers of this article. Pricewise, the article seemed to be ending the year somewhat more steady than it had been in the last quarter of 1948 when competition brought considerable depression of quotations on all varieties.

Peppermint—The market seemed to be headed toward a somewhat steadier position. Country prices have not moved further in favor of local dealers and more resistence to bids has apparently developed at the origin. On the spot, lack of demand failed to affect values adversely and most suppliers expected a pickup in sales during the first quarter of the new year. Stocks were sufficient to care for more than the needs visible at present.

Petitgrain—The origin has become considerably firmer and bids no longer were readily accepted there. This has in some measure been reflected locally in that price declines have stopped and sellers have become somewhat reserved.

Pineneedle—Cables showed both the so-called Siberian and the Swiss varieties of this oil to be definitely not subject to shading. On the contrary, it was suggested that values abroad might rise in moderate degree if demand should become broader. On the spot, both oils were in correspondingly firmer position without any actual change being made in the prevailing quotations.

Snakeroot—Canadian snakeroot oil was poorly distributed on spot and the little available was reported being held for a minimum of $22.50 per pound. Little was obtainable in the replacement market.

Wormseed—The year closed with the market not very active but also with prices showing a deal of stability and freedom from unsettlement in the form of even occasional price shading. Fair stocks were in hand but first costs curbed competition in terms of price concessions.

Aromatic Chemicals

Benzaldehyde—Outlook for business in the new year was said to be satisfactory and it was expected that prices would maintain the strength evident during the past six months.

Citral—Strength in raw material at its higher price position has contributed strength to the price position of citral. In addition to that, steady consuming demand was an influence in the direction of possibly somewhat higher prices in the future.

Eugenol — The market was definitely firmer in keeping with the gradually developing strength in the raw material costs. Demand has been not more than normal for some time past but even at the end of the year it has been exceptionally steady.

Ionones—Considerable selling of goods for delivery during the first quarter of the year took place during the past week and the firmer undertones that succeeded the rather weak market of some months back were definitely in evidence.

Safrol — The tendency toward price shading seemed to have disappeared and throughout the final week of the year a firmer price position seemed to be in the making. Stocks were not large.

Terpineol—Demand was light so far as immediate deliveries were concerned but a better than fair amount of selling covered requirements of a larger number of buyers than had been in the market during the past month. Undertones were very steady and local suppliers were not disposed toward much competition in the form of price and shading.

Terpinyl Acetate—Trading was in jobbing quantities and the total of transactions was conservative because of the trend toward hand-to-mouth buying that developed last week.

Musk — Jobbing business alone would have been sufficient to maintain a steady price position on synthetic material but in addition to that some sizeable transactions in merchandise for delivery in January went on the books during the past week.

Vanillin—All forms of the article ended the year in steady price position and all of them experienced a very fair demand

ROURE-DUPONT INC.
General Office
366 MADISON AVE., NEW YORK
Chicago Branch 510 North Dearborn St.
Los Angeles Branch 5517 Sunset Blvd., Hollywood
Sole Agents in U.S.A. and Canada for
Roure Bertrand Fils and Justin Dupont
Grasse (A.M.) France Argenteuil (S.&O.) France
ESSENTIAL OILS
AROMATIC PRODUCTS

Dr. ALEXANDER KATZ & Co. Division of
F. RITTER & CO.
Essential Oils and Aromatics for Flavoring, Perfume, and Allied industries.
NEW YORK 10, N. Y. · LOS ANGELES 27, CAL.

PERFUMERS' SPECIALTIES
BUSH AROMATICS INC.
135 LIBERTY STREET NEW YORK 6, N. Y.

Norda makes good scents
Ask Norda whenever you need those finer Essential Oils and Aromatic Chemicals that really make products pay off.
Norda ESSENTIAL OIL AND CHEMICAL COMPANY, INC.
NEW YORK • CHICAGO • LOS ANGELES • ST. PAUL • MONTREAL
TORONTO • HAVANA • MEXICO CITY • LONDON
NORDA...KNOWN FOR GOOD SCENTS

PUTTING YOU on the right scent!
ROSE 131 The true aroma of natural rose petals can be imparted to your creams, lotions and toilet waters with this new aromatic—a product of Verona research.
Stable, lasting, free from discoloration, it may also be used as an ingredient in the compounding of other odors to add sweetness and enhance the floral effect.
Though moderately priced, it will add tone and quality to your product.
The scent sells the product
VERONA SPECIALTIES INCLUDE:
Cyclamal (Lily base), Floranol (Rose base), Resedalia (Mignonette), Amuskal (Fixative; performs the function of natural Tonquin Musk), Ionone Ketone and Methyl Ionone (Violet bases), Phenyl Acetaldehyde Dimethyl Acetal (Rose leaf), Ethyl Methyl Phenyl Glycidate (Strawberry base and Honeysuckle perfumes), Acasol (Raspberry), Gamma Undecalactone (Peach), Nonyl Lactone (Cocoanut), Aldehyde C-8, C-9, C-10 (Top notes).
Write us on your company letterhead for a complete list
VERONA CHEMICAL COMPANY
26 VERONA AVENUE NEWARK 4, NEW JERSEY
VERONA AROMATICS DIVISION

Essential Oils
Terpeneless Oils
Natural Flower Products
Perfume Compounds
Aromatic Chemicals
Flavoring Materials
UNGERER & COMPANY
161 SIXTH AVENUE · NEW YORK 13 Plant and Laboratories, TOTOWA, N. J.
CHICAGO · BOSTON · PHILADELPHIA · ST. LOUIS · LOS ANGELES · ASHEVILLE

Perfume Specialties
AROMATIC * CHEMICALS
Firmenich + Co.
250 WEST 18th STREET, NEW YORK 11, N. Y.
CHICAGO OFFICE - 612 NORTH MICHIGAN AVENUE
IN CANADA CARAMEED Ltd., 350 Wallace Avenue, Toronto

ZIMCO® LIGNIN VANILLIN C.P. U.S.P.
A Natural Source Vanillin
Vegetable origin. Produced by our patented process from coniferous woods.
PURITY
UNIFORM FLAVOR
FINE AROMA and TASTE
CONSTANT AVAILABILITY
SOLUBILITY
Write for descriptive folder
For FLAVORS • PERFUMES • COSMETICS
SOAPS • COVER ODORS etc.
VERATRALDEHYDE—A Sweet Maple-Caramel-Like Flavor For Perfuming-Heliotropin note much stronger than Heliotropin.
Shipments made DIRECT FROM FACTORY: ROTHSCHILD, WISCONSIN
Vanillin Division
GENERAL DRUG COMPANY
170 Varick St., NEW YORK 13, N. Y.
Warehouse Stocks: NEW YORK, CHICAGO, LOS ANGELES
WORLD'S LARGEST SUPPLIERS OF VANILLIN

for goods to be delivered after the turn of the year. Production costs were said to be maintained steadily in vanillin from guaiacol and lignin. The cost to produce from clove oil was pointed definitely upward unless the price trend in spice shall be reversed in the first quarter of the new have been sufficient to maintain a steady year.

Indonesian Exports In Jan.-Aug. Listed

Exports from Indonesia during the first eight months of 1948 totaled 3,274,780 metric tons, valued at 634,267,000 guilders, according to a recent report from that area. Included in the January-August exports were the following products:—

	Metric tons	Guilders
Areca nuts	750	297,000
Bauxite	289,305	3,482,000
Cinchona bark	3,158	4,548,000
Cinnamon	253	154,000
Citronella oil	263	1,014,000
Coconut oil	312	437,000
Copal	2,078	1,866,000
Copra	152,986	101,431,000
cake	16,004	2,461,000
Dammar	1,284	858,000
Gambier	282	143,000
Mace	317	992,000
Manganese	1,240	21,000
Nutmeg	1,661	3,309,000
Other essential oils	2	75,000
Palm oil	17,030	19,452,000
kernels	5,069	2,091,000
Pepper	1,223	2,507,000
Petroleum products	2,437,160	154,094,000
Quinine salts	38	875,000
Tapioca flour	1,121	488,000
Tin ingots	6	24,000
ore	31,664	96,247,000

Of the total exports from Indonesia during the January-August period, shipments to the United States totaled 291,715 tons, valued at 105,052,000 guilders. Included in shipments to this country were the following products:—

	Metric tons
Bauxite	205,676
Copra	2,925
Essential oils	158
Gambier	154
Petroleum products	4,878
Resins	862
Tapioca flour	161
Tin ore	10,775

Ungerer Holds Meeting Of Sales Representatives

Ungerer & Co., manufacturer of essential oils, perfume bases, aromatic chemicals and flavoring materials, New York, recently held a general sales meeting of its representatives in New England, the south, the east and the midwest. Group discussions of market conditions, new products, compounds and specialties, service, flavoring materials and manufacturing were held, and the company's plant in Totowa, N. J., was toured.

Foster D. Snell Issues Booklet

Foster D. Snell, Inc., consulting chemist and engineer, New York, has issued a publication entitled "Surface Activity and Detergency." The booklet covers new services being offered by the company in these fields.

Fritzsche Brothers Holds Year End Sales Conference

Fritzsche Brothers, Inc., essential oils firm, New York, recently held a week long sales conclave at the New Yorker hotel, New York, to digest the years' sales activities. Morning and afternoon sessions were held on each day to discuss plans and policies for the coming year and problems encountered during the past year. The meeting was culminated with a trip to the firm's factory in Clifton, N. J., and the annual dinner dance of the company.

Logcher to Investigate Latin American Markets

Dr. Henry F. Logcher, export manager of Magnus, Mabee & Reynard, Inc., manufacturer and supplier of essential oils, concentrated flavors and basic perfume materials, New York, plans to leave next month on a three months survey of Latin American markets. He plans to visit Cuba, Venezuela, Colombia, Central America and Mexico. In addition to determining the essential oil needs of the areas he visits, Dr. Logcher will conduct research concerning the availability of natively produced raw materials for the manufacture of essential oils.

Have your perfuming problems solved by
van AMERINGEN-HAEBLER, inc.
315 Fourth Ave. • New York 10, N. Y.

QUALITY
CEDARWOOD OILS
Write for Samples of:
CEDARWOOD OILS
PSEUDO CEDROL
CRYSTALLINE CEDROL
CEDARWOOD TAR OIL
And List of Distributors.
SOUTHWEST CEDAR OIL CO.
P. O. Box 1939, SAN ANTONIO, TEXAS

schimmel for Perfume and Flavor Raw Materials and Specialties
SCHIMMEL & CO., INC.
601 West 26th St., New York 1, N. Y.

MERPHENYL
ESPECIALLY PURIFIED
PHENYLMERCURIC COMPOUNDS
For Pharmaceutical
And Cosmetic Use
THE HAMILTON LABORATORIES, INC.
ASHEVILLE, N. C.

Gelloid (PURE CALCIUM CARRAGHEEN SULFATE)
Excellent as { Emulsifying Agent, Thickening Agent, Stabilizing Agent
For essential oil emulsions, paste dentifrices, hand lotions, etc.
Compatible with Alcohol (30%) and Glycerin.
JACQUES WOLF & Co.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N. J.

Consulting Chemists and Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.

50 East 41st Street, Room 82 — New York 17, N. Y. LExington 2-1130

A Clearing House — *for Consultants*

Reg U S Pat. Off.

When in need of a consultant address the Association.
No charge for this service.

The Membership, Located from Coast to Coast, Comprises Specialists in All Fields

R. S. ARIES & ASSOCIATES
Chemical Engineers & Economists
NEW PRODUCT DEVELOPMENT
Process Analysis — Technical and Economic Surveys
Market Research — Industry Studies — Appraisals
26 Court Street, Brooklyn 2, N. Y.

INDUSTRIAL RESEARCH ON CONTRACT BASIS
An organization small enough to give your problems meticulous personal attention, yet staffed and equipped for large assignments.
BJORKSTEN RESEARCH LABORATORIES
185 N. Wabash Ave. Chicago 1, Ill.

CENTRAL CONSULTING LABORATORIES
Specialists in Foods, Drugs and Cosmetics
Chemical, Bacteriological, Biological Assays — Investigations — New Product Development — Industrial Applications
Amino Acids, Antibiotics, Hormones, Vitamins
16 CLINTON STREET BROOKLYN 2, N. Y.

RESEARCH AND PRODUCT DEVELOPMENT
Our laboratory engages in short-term as well as long-term projects.
COLBURN LABORATORIES, INC.
Research Chemists
431 South Dearborn St. Chicago 5, Ill.

DI CYAN & BROWN
Consulting Chemists
12 East 41st Street, New York 17, N. Y.
CONSULTANTS in DRUGS and COSMETICS
New Drugs; Product and Patent Development in Pharmaceuticals & Cosmetics; Label Preparation for Conformance to F.D.A. requirements; etc.

J. EHRLICH, Ph.D.
CONSULTING CHEMIST
153 South Doheny Drive
Beverly Hills, California
ORGANIC SYNTHESES
Fellow of the American Institute of Chemists

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of
OIL, PAINT AND DRUG REPORTER
Tell them about yours

ESSELEN RESEARCH CORPORATION
CHEMICAL RESEARCH AND DEVELOPMENT
"THE RESEARCH OF TODAY IS THE INDUSTRY OF TOMORROW"
857 Boylston Street Boston 16, Mass.

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of
OIL, PAINT AND DRUG REPORTER
Tell them about yours

EXPERIMENT INCORPORATED
Chemical Consulting
Research and Development
Model Shop Facilities
Write for Brochure
An Organization to Serve You
P. O. Box 1-TC Richmond 2, Va.

FOOD RESEARCH LABORATORIES, INC.
Founded 1922
Philip B. Hawk, Ph.D., President
Bernard L. Oser, Ph.D., Director
RESEARCH — ANALYSES — CONSULTATION
Biological, Nutritional, Toxicological Studies for the Food, Drug and Allied Industries
48-14 33rd Street, Long Island City, New York
Write for descriptive brochure

HORIZONS INCORPORATED
Research
CHEMISTRY, METALLURGY, and CERAMICS
Princeton, N. J.
Laboratory: 2891 E. 79th St.
Cleveland 4, Ohio

Chemists — Spectrographers
Toxicologists — Bacteriologists
Engineers — Samplers — Inspectors
Assayers — Metallurgists
Write for Descriptive Brochures
LAUCKS LABORATORIES, INC.
Established 1908
1008 Western Ave. Seattle 4, Wash.

LAWALL & HARRISSON
Biological Assays — Clinical Tests
Pharmacologic & Toxicity Studies
Chemical — Bacteriological Problems
Pharmaceutical and Food Industry Consultants
1921 Walnut Street
Philadelphia Pa.

INDEPENDENT LABORATORY SERVICE
Pharmacological research; product development; animal assays; hormone and vitamin assays; nutritional and bacteriological studies; toxicity tests; consultation on special problems.
LEBERCO LABORATORIES
123 Hawthorne St., Roselle Park, N. J.

ALAN PORTER LEE, INC.
ENGINEERS
Plant and Process Design
150 Broadway, New York 7, N. Y.
Cable Address—Alportlee

MOLNAR LABORATORIES
Consulting, Testing and Research
Specializing in
Organic Synthesis
Hormone Assays
Clinical Studies
Product Development and Control
Toxicity and Dermatitis Tests
Disinfectant Testing and Formulation
Member A. C. C. & C. E.
211 E. 19th St., New York 3, N. Y.
GRamercy 5-1030
Cable Address: Molchem

THE ORTHMANN LABORATORIES, INC.
Consulting Analytical & Research Chemists
For the Leather & Allied Trades
Aug. C. Orthmann, President
922 NORTH FOURTH STREET
Milwaukee 3, Wisconsin

PAN-ENGINEERING COMPANY
DESIGN AND CONSTRUCTION CONSULTATION
Recognized Chemical, Medical and Engineering Personnel
114 Liberty St. New York 6, N. Y.
RE. 2-1605-6

PUBLIC SERVICE TESTING LABORATORIES, INC.
381 Fourth Avenue
New York 16, New York
MUrray Hill 6-1680 — "PUBTESLAB"
Chemical — Physical — Biological Tests
Dyes—Chemicals—Minerals—Metals and all Materials
Inspection—Certification—Research
Approved Testing Bureau for Many Foreign Governments

W. S. PURDY CO., INC.
Analytical & Consulting Chemists
TESTING OF PETROLEUM OILS, WAXES AND RELATED PRODUCTS
18 Bridge Street
Brooklyn 1, N. Y.
Phone ULster 5-6565

RONA LABORATORIES, INC.
Technical Service for the Small Manufacturer
PRODUCT DEVELOPMENT
Analyses-Consultation-Research for the Food, Drug, Cosmetic, Chemical and Allied Industries
David Perlstein, Sc.D., President
Gershon J. Shugar, Ph.D., Director
513 S. Fulton Ave. Mt. Vernon, N. Y.

THE SCHEPP LABORATORIES
Research and Consulting Chemists
SURFACE CHEMISTRY
Large Surfaces—Fine Powders—Colloids
Wm. J. Schepp, Director
Member of Ass'n of Consulting Chemists and Chemical Engineers. Fellow of the American Institute of Chemists
21-23 Summit Ave. Tel. Fairlawn 6-1212
East Paterson, N. J.

Schwarz
ANALYTICAL, CONSULTING and RESEARCH CHEMISTS
Specializing in chemical, biochemical, bacteriological and nutritional analyses of raw materials and finished products of food and beverage plants. Process surveys and control, legal testing and consultation. Founded 1869
SCHWARZ LABORATORIES, INC.
202 East 44th St., New York 17, N. Y.

SEIL, PUTT & RUSBY, INC.
Established 1921
Earl B. Putt, President & Director
Specialists in analysis of Drugs, Essential Oils, Spices, Rotenone & Pyrethrum Insecticides, Flavors & Alcoholic Liquors
16 E. 34th St., New York 16, N. Y.
Phone: MUrray Hill 3-6368

RESEARCH & ANALYSIS DEVELOPMENT
Geared to Requirements of Your Business—Large or Small
Bacteriological, Nutritional, Biological, Toxicological and Chemical Studies for the Food, Drug and Chemical Industries.
SCIENTIFIC ASSOCIATES, Inc.
2854 Meramec St., St. Louis 18, Mo.

RESEARCH CHEMISTS AND ENGINEERS
A staff of 75, including chemists, engineers, bacteriologists and medical personnel with 10 stories of laboratories and a pilot plant are available for the solution of your chemical and engineering problems.
Write today for Booklet No. 20:—
"The Chemical Consultant and Your Business"
FOSTER D. SNELL, INC.
29 West 15th Street New York, N. Y.

R. STECKLER LABORATORIES
8200 Harvard Ave. Cleveland 5, Ohio
CONSULTATION AND RESEARCH
Specializing in
Synthetic Resins, Coatings, Plastics, and Related Organic Fields
Robert Steckler, Ph.D., Manager
(Member A.C.C.C.E.)

STILLWELL & GLADDING, INC.
130 Cedar Street, New York 6, N. Y.
Established 1868
Consultation,
GENERAL ANALYSIS,
SAMPLING, INSPECTION

UNITED STATES TESTING COMPANY, INC.
1415 Park Avenue
Hoboken, New Jersey
Physical and Chemical Facilities for Research, Development and Testing
Paints, Varnishes, Lacquers and other Protective Coatings
Accelerated Weathering and Salt Spray Tests
Established 1880

JAMES F. WALSH & ASSOCIATES
Consulting Chemical Engineers and Food Technologists. Complete Analytical, Research and Pilot Plant Facilities:
For the Carbohydrate and Allied Trades—Foods, Processes, Improved and New Products—General Analytical Work.
Investigation of new products and processes.
Office and Laboratories: 315 West 14th Street, Holland, Michigan
Eastern Associate: Meyer Moskowitz, 25 Nagle Avenue, New York 34, N. Y.

WILEY & CO., INC.
Analytical and Consulting Chemists
Specializing in Analysis of Beverages, Fertilizers, Phosphates, Wood Pulp, Coal and Coke, Feeding Materials, etc
Calvert and Read Sts., Baltimore, Md.

For the Bookshelf

THE CHEMICAL CONSTITUTION OF NATURAL FATS. By T. P. Hilditch. Second edition, revised. xiii+554 pages. New York: John Wiley & Sons, Inc. $9.

To those who are concerned with the chemistry of fats, it is sufficient to say that here is a new, bigger, and better Hilditch. The learned author's original purpose of developing the interrelationships of fats as natural organic compounds has been extended in scope and time—and by about one hundred pages—to the distinct benefit of all who are trying to keep up with the experimentation in reesterification, deacidifying, conjugation, and other modifyings of natural fats better to fit them to their many applications. With what Hilditch tells about fatty acids and their glycerides, the worker with fats is well equipped to make much of their extensive potentialities.

The previous arrangement has been followed in the chapters presenting the component acids of fats and the component glycerides, according to biologic groups—aquatic flora and fauna, land animals, vegetables. The detail which is a Hilditch characteristic has been still further introduced—in such things as, literally, thousands of references appended to the several chapters. There has been likewise substantial additions to all adduced data on all the groups. This is especially expansive with reference to component acids. The author has clarified his use of several indexes by means of indications of an overall nature. It still puzzles the lay reader to look for olein, palmitin, or stearin under "T," because only the scientific "tri" forms are indexed.

Since its first appearance, almost ten years ago, Hilditch has been for many workers an encyclopedic collection of scientific data on fats. It has gained in stature by modernization. But, it is no catalog or dictionary for ordinary buyers or sellers of oils and the like.

ECONOMIES IN SEASONING. 75 pages. New Haven, Conn.: Northeastern Wood Utilization Council. $2.

This is not a book on the use of aromatics and tangers in the preparation of food. It has to do with the proper preparation of lumber—a process which is not properly regarded in this day. The wastefulness of poor seasoning is no secret. The cost—in large part yet to come—of using improperly seasoned lumber in building is substantial.

This bulletin contains six practical papers presented last June at a conference on economies in seasoning. These deal with costs of poor kiln drying and the fundamentals of wood seasoning. They treat kiln design, equipment, and operation. And one very interesting one has to do with the effectiveness and present status of chemical seasoning. This paper has a special appeal in connection with eight widely used seasoning chemicals, ranging from ammonium nitrate to urea; it covers such things as how thirty-odd chemical treatments affect the corrosion of nails used in the treated wood.

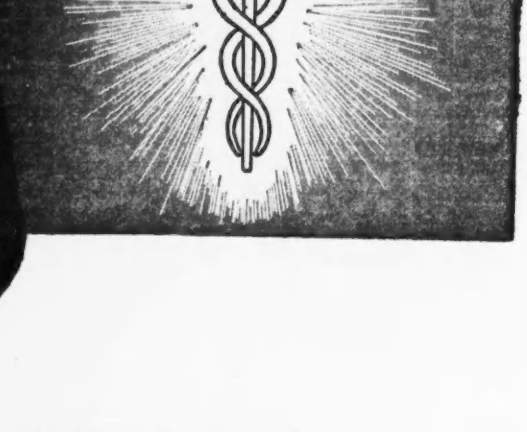
COMPANY WAGE POLICIES. By Richard A. Lester. 46 pages. Princeton, N. J.: Princeton University. $1.50.

This is the report of the survey of wage policies started two years ago by the Industrial Relations Section, Department of Economics and Social Institutions, Princeton University. It denies presumption of definiteness of determination, but it does point the way to understanding for which there is a great need. It is factually analytical; therefore, it does not always keep in the paths of economic theory.

One hundred seven manufacturing companies, representing seventeen census groups, and employing approximately 2,000,000 workers, were covered by the survey. Seventy-nine of them furnished detailed answers. Checking with executives and by correspondence was applied to reconcile inconsistencies. This brought out many underlying factors.

The outstanding conclusion is that industrialists follow wage policies and practices that not only disregard conventional theory but may actually run counter to it. This is attributed to the fact that such theory fails to take proper cognizance of the influence of trade unionism and also disregards ethical notions, employee loyalty, and company standing as influencing factors. The survey found that supply and demand of labor are not weighty. It also found practical policies to have a far larger share of human aspects than enter into conventional theory.

PENICK
FOR NATURAL AND SYNTHETIC ESTROGENS



In the production of natural and synthetic estrogens—as in many other basic materials—S. B. Penick & Company supplies pharmaceutical manufacturers with medicinals more than meeting all accepted quality standards . . . Manufactured under the direction of skilled chemists, these estrogens are constantly available.

GYNESTROL
(NATURAL *Estrogenic Substance*)

Derived exclusively from mares' pregnancy urine. Sold in bulk, with a firm guarantee of potency. Available in crystallizate powder form, in absolute alcohol and in vegetable oil solutions.

DIETHYLSTILBESTROL, U. S. P.
(Synonym: Stilbestrol)

The usefulness of this stilbene compound is widely known.

DIETHYLSTILBESTROL DIPROPIONATE

An ester of diethylstilbestrol, preferred by some practitioners.

HEXESTROL, N. N. R.

A therapeutic agent stated to possess some advantages over diethylstilbestrol.

S. B. PENICK & COMPANY

50 CHURCH STREET, NEW YORK 7, N. Y.
Telephone, COrtlandt 7-1970

735 WEST DIVISION STREET, CHICAGO 10, ILL.
Telephone, MOHawk 5651

Botanical Drugs, Spices, Gums

The end of the year was very quiet in the market for botanical drugs and flavoring materials. The year-end was also more or less steady when it came to prices on most drugs while in condimental items, price activity appeared to await on a revival of more active trading, probably at an early date since inventories of many consumers of botanics used as flavoring were believed to be relatively moderate in size; sufficiently so to suggest probable needs coming to the market quite soon.

Of some interest was the report on measures taken in Chile for protection of plants and products. All imports must be inspected by the Department of Plant Sanitation. Products dangerous to plant life must be accompanied by a sanitary certificate—a requirement that probably would apply to insecticides and pesticides used in agriculture. All Chilean exports of plants, cuttings, roots, stems, rootstocks, flowers, fruits, seeds, barks, wood, and any other part of a plant in its natural state or processed, capable of harboring plant pests or of being such itself, must be accompanied by a sanitary certificate. A principal item of Chilean export is soapbark.

The local interest in mandrake root, reported in the previous week, failed to result in business. Buyers' price views and the primary market quotation were about 5c. per pound apart. Some primary market shippers pressed grinding elm bark and Canadian snake root for sale without much success. A round quantity of European belladonna was offered at about 5c. above the present spot quotation.

Future supplies of botanicals from Indonesia and China seemed in jeopardy. The Dutch government now has military control of most all Java and a good part of Sumatra. Aid to the Netherlands Indies by the Economic Cooperation Administration has been suspended and The Hague last week petitioned Washington to restore it. Withdrawal of ECA aid to Holland was proposed unless the Dutch meet the United Nation's request for an end to military operations. In China, the Red army pressed on toward Nanking and the China shipment ports.

Balsams

Copaiba—The advance reported during the previous trading period was not extended but the market showed substantial firmness on the basis of 65c. per pound and none would shade that figure because of the replacement cost of this item.

Tolu—The market was down once again, standing at $2.90 per pound minimum, although a single quarter continued to name $3.50. Competition had little chance for activity because of limited demand but conditions were favorable for buyers' operations.

Barks

Cinchona — News reports from the Netherlands Indies, where government troops have been at war with the Indonesian native government, indicate that the parts of Java where cinchona cultivation and quinine manufacture is centered are definitely in the hands of Dutch troops. The aid previously given the Netherlands Indies under the Marshall plan has been stopped, and it remains to be seen what, if any, effect stoppage may have on the export of Indonesian products to this country.

Cocillana—Considerable quantities will be shipped to buyers after the turn of the year. However, manufacturing consumers in many instances appear to have covered their probable requirements in substantial fashion and hence early January trading may not reach the total that some have suggested.

Pomegranate—Little of either bark of root or tree is available in this market and most quarters consider the market to be strictly nominal at the end of the year.

Beans

Vanilla—Most sellers of this article were inclined to look for higher prices, possibly to develop as early as the first quarter of the new year but, in any event, before the end of 1949. These beliefs were based on the idea that destruction of such large quantities in the French islands has resulted in a supply probably insufficint to meet the United States probable requirements during the next two years and can be considered in no light other than that of a bullish effect on prices. The 1948-1949 crop has been reported a total failure and unless that situation has been overstated, it would be added material to the argument that a reversal of price trend is likely.

Berries

Juniper — Most reports suggest that market conditions at present are highly favorable for consumer operations and it is significant that the liquor makers have been active in taking substantial quantities of distressed berries out of this market when obtainable at or around 5c. per pound—which is a price not usually quoted in regular botanical circles. It was alleged that the last of such large transactions involved hand-picked berries of Italian origin.

Sloe—This article when bought on spot costs much but if purchased for import has been offered at prices sometimes as low as 2c. per pound. Almost total lack of interest has ruled for over a year.

Flowers

Arnica—Though inactive at the moment, some expansion in sales was expected to come with the turn of the year. For the most part, the market was quiet in undertone and conditions appeared favorable for those coming to the spot with firm orders in hand.

Linden—Most suppliers did not expect substantial selling to come promptly with the expiration of the period of inventory restrictions. However, a fair jobbing interest for January 1 deliveries arose last week and the market was apparently steady.

Herbs and Leaves

Belladonna—The market lacked further confirmed selling of either domestic or foreign leaves but negotiations for sales of imported goods were underway. The last confirmed price was $1.25 on domestic goods. Imported merchandise held at $1.15 per pound on spot.

Buchu—Outlook for price maintainence during the first quarter of 1949 was said to be favorable; conditions now prevailing fail to suggest an expansion in competition to an extent likely to affect minimum quotations on the spot. Stocks were believed to be sufficient for probable requirements.

Lobelia—Major demand was believed to have been satisfied and a market of moderate activity appeared to be a reasonable expectation between now and the beginning of the new crop year.

Senna—The year ended with prices re-

Market Trends

Prices Advanced

Drugs

None

Other Articles

Cardamom, decorticated, Guatemalan, 8c. per lb.
Cloves, Madagascar, 1½c. per lb.
Poppy seed, Dutch, 1½c. per lb.

Prices Reduced

Drugs

Ginger, Jamaica, No. 1, 1c. per lb.
No. 2, 1½c. per lb.
Tolu balsam, 5c. per lb.

Other Articles

Cassia, China, select rolls, 1c. per lb.
select rolls, broken, 1½c. per lb.
Kwangsi, 1c. per lb.
Celery seed, French, 1c. per lb.
Fennel seed, Argentine, 1½c. per lb.
Nutmegs, East Indian, 1c. per lb.
West Indian, spot, 1½c. per lb.
futures, 1c. per lb.
Pepper, black, spot, 2c. per lb.
futures, nearby, 3c. per lb.
distant, 1c. per lb.
white, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
198.9	198.9	199.4	247.5

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ending December 24

New York

Cassia, 20 bags: insect infested.
Chillies, 287 bags: filthy.
Lemon oil, 12 packages: other substance substituted for lemon oil; not USP.
Mace, 32 cases: live and dead insects.
Moss, 50 bales: filthy.
Nutmegs, 254 bags: wormy.
Pepper, black, ground, 429 bags: moldy and insect bored.
white, 1,050 bags: live and dead insects.
Sesame seed, 1,289 bags: filthy.

For Late Market Developments, See Page 4

CRUDE DRUG
IMPORTERS & EXPORTERS
for 59 YEARS

A precise understanding of the physical character and remedial usefulness of Crude Drugs is essential to their proper milling and preparation. Often the remedial value of a finished product varies according to the skill exercised in milling the crude botanical drug.

Because, for more than 59 years, we have exercised this understanding and had the complete equipment to apply it, "Hopkins Brand" Milled Crude Drugs represent the supreme achievement of specialized effort.

The Earth Contributes AND
J.L. HOPKINS & CO. DISTRIBUTE
ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES; WHOLE, GROUND OR POWDERED
TRADE MARK

RUTIN
Our New Specialty

J. L. HOPKINS & CO.
PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
220 BROADWAY • NEW YORK

PEEK AND VELSOR INCORPORATED
110 WILLIAM ST
NEW YORK 7

Established 1840
CRUDE DRUGS

ACONITE

Constituents

Aconitine is the active constituent, a crystallizable alkaloid. Its 2 derivative non-crystallizable alkaloids, benzaconine and aconine, vary in amounts. Intermediate between the two is said to be a third, napelline. A fourth alkaloid is suspected.

Action and Uses

A tingling sensation follows its application on either skin or mucous membrane. Acts as a local anesthetic but is too irritating for use on mucous membranes, especially the eye.

Taken internally, it is a depressant. Blood pressure is lowered by the depressant action on the heart itself. Used in the early stages of all acute inflammatory conditions; i.e. beginning of lobar pneumonia, quincy, tonsilitis, spasmodic croup, and certain types of asthma, depending upon spasm without depression of the heart.

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

"JITTER" BUGS

Post election jitters have hit some markets but not Botanical Drugs. In our line the law of supply and demand is omnipotent. From every corner of the globe we obtain the necessary Drugs for American manufacturers and the basic factor governing the price of these Botanicals is the amount collected versus the amount needed.

We detect no case of the jitters in the Crude Drug market due to the outcome of the election, but instead, a healthy and increasing demand at firmer prices.

Buy from a basic source of supply.

R. J. PRENTISS & CO., Inc.

110 William Street, New York 7, N. Y. • 9 So. Clinton Street, Chicago 6, Ill.

PLANTS BROOKLYN, N. Y. AND NEWARK, N. J.

GUMS

(CRUDE, POWDERED)

Chemicals and Oils

GUMS:

GUM ARABIC
GUM ARABIC BLEACHED
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN

SPECIALTIES:

MENTHOL (Crystals)
★
TARTARIC ACID
★
CREAM OF TARTAR
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
★
JAPAN WAX
CANDELILLA WAX

PAUL A. DUNKEL & CO., Inc.

IMPORTERS AND EXPORTERS

1 WALL STREET, NEW YORK 5, N. Y.

Hanover 2-3750

CHICAGO: 919 N. MICHIGAN AVE., TEL SUP. 2462

REPRESENTATIVES:

CHICAGO: CLARENCE MORGAN, INC.
BOSTON, MASS.: P. A. HOUGHTON, INC.
PHILADELPHIA: R. PELTZ & CO.
ST. LOUIS: H. A. BAUMSTARK & CO.
LOS ANGELES: JOHN A. HUGHES

latively steady both on spot and in the primary markets. Arrivals during the first nine months of 1948 were said to have totaled 1,611,575 pounds, valued at $124,853. Of the total, India sent 1,231,496 pounds valued at $76,728, and Sudan, 324,564 pounds valued at $41,709. China and Egypt were said to have provided the remainder.

Gums

Benzoin — Much of the island of Sumatra whence comes this gum has again come under government by the Dutch instead of by that of the Indonesian Republic. It remains to be seen if exports are hampered by the withdrawal of Marshall plan assistance because the Dutch to this time have not acceeded to the United Nations request that action by the Dutch be terminated at once and Indonesian leaders released from captivity. Imports in January-July, 1948, totaled 47,536 pounds against 226,611 pounds in the corresponding time in 1947.

Arabic—Importations during the period January-July, 1948, totaled 10,353,065 pounds in comparison with 3,795,313 pounds arrived in the period January-August, 1947.

Asafetida — Importations in January-July, totaled 82,876 pounds as compared with 61,133 pounds arrived in the corresponding period of 1947. The spot market remained quiet but steady.

Myrrh—A quiet market at unchanged prices ended the year. Imports during the period January-July, 1948, totaled 14,280 pounds against 5,646 pounds landed during the corresponding time in 1947.

Olibanum—Business was of the sort normal at the end of the year—strictly jobbing in variety and small in total. Imports totaled 307,674 pounds during January-July, 1948, in comparison with 256,340 pounds for the corresponding period, 1947.

Tragacanth—The market was unsettled and competitive with the tendency toward price shading being rather extended on the spot. Importations in 1948 were below those a year ago, being 1,815,357 pounds for the January-July period in comparison with 2,779,285 pounds arrived in the period January-August, 1947.

Miscellaneous

Ergot—The market ended the year quiet and without further reduction in price; it stood at $1.18 to $1.25 per pound according to quantity and was named on USP merchandise. Sale of material exceeding minimum USP strength and at prices above $1.18 per pound was said to be inconsequential at this time.

Lycopodium—The price range spread from $1.90 to $2.50 per pound according to seller and quality. None in the local trade reported much interest in the article last week but said prices were maintained in steady relation with replacement cost.

Papain—Reports from Tanganyika Territory declared April exports to have been 113 hundredweights valued at £9,100. Of the total, the United States took 25 hundredweights and 88 hundredweights were shipped to Kenya and Uganda. The East African pound sterling equals $4.0639. According to the United States Department of Commerce, arrivals here during the first three quarters in 1948 amounted to 318,314 pounds valued at $1,074,781. Ceylon and British East Africa supplied most of the quantity, their exports being 76,744 pounds and 218,944 pounds respectively.

Roots

Aletris—Most quarters felt that the decline had run its course and that between now and the coming of new crop season a steadier situation was likely to prevail. The country stocks still held by collectors were said to be negligible and present spot prices were said to be in line with what goods cost this year.

Black Indian Hemp—Any substantial expansion in demand would find some sellers hard put to it in the matter of making deliveries. A moderate stock was obtained on the basis of almost sensational price advances this year but sales have already accounted for much of the collection.

Ginseng—Indications were that export possibilities in this article have dried up materially in ratio to the military successes of the Red Army in areas formerly held by the Nationalist government in China. However, some sellers here still proposed $14 per pound, tentatively, while regular dealers talked of a market at $18.50. Buyers would do well to remember that northern root usually commands a premium price.

Rhubarb—Not a great deal of Chinese root remains unsold on this market and few know when more may be exported from the normal shipment ports in China.

That will depend upon how much root can be brought down to the shipment ports from the interior of China where good quality common round and high dried Shensi root is collected.

Senega—It was still a buyers' market but open quotations yielded no more of their recent position at $1.82 to $1.85 per pound during the final week of the year. However, one direction did suggest that it would be possible to place orders at $1.80.

Serpentaria—Few expected a substantial rise in consuming requirements early in 1949 but all felt that present prices were likely to be minimum for the recent declines unless something now totally unforseen should develop.

Valerian—A reasonable amount of competition seemed likely when business should revive in the first quarter of the new year. However, during the period just ended, no seller of Belgian root would shade 37c. to 40c. per pound, openly at least.

Seeds

Anise—All varieties were quiet but steady except for Chinese star anise. That material was materially firmer at the source where conditions were not conducive to continuing normal business in export goods.

Cardamom—The market was very strong at the source. In fact, prices have gotten so high that some decrease in buying may reflect the possibility of losses on spot goods should quotations break at the origin. Bold bleached seed was held at $2.75 to $2.80 per pound and not much was offered. Decorticated seed from Guatemala was up sharply to $2 to $2.05 per pound on spot and not much was offered from the primary market.

Celery—French seed continued to follow the downward trend developed recently in quotations on seed from India. The French item was quoted at 24c. to 25c. per pound, as compared with Indian seed at 20c. to 20½c.

Fennel—Argentine seed closed the week at a fractional decline to the basis of 11c. to 11½c. per pound. Indian seed held at 12½c. to 13c. mainly because of well maintained shipment prices.

Mustard—Activity was small but prices seemed firm. Development of interest in seed of Italian origin was new to the market.

Poppy—Dutch seed was fractionally higher at 21c. to 21½c. per pound. Danish held around 24½c. to 25c. per pound, but was rather scarce. Turkish moved at 13½c. to 14c.

Spices

Cassia—Selected rolls from China were reduced to 10½c. to 11c. per pound under competition and not because of any material change in the replacement price or expectations. Kwangsi was also lower at 11c. to 11½c. Saigons were very steady.

Clove—Cables from Madagascar still carried prices higher than sold goods were being sold; transactions locally were at 13c. to 13½c. per pound in a moderate way. Zanzibars showed no change, being firmly maintained at the origin and on spot.

Ginger—No. 1 Jamaica root was down to 26c. to 26½c. per pound and the No. 2 quality was reduced to 25c. to 25½c. No. 3 and Rhattoon grades showed no change on spot. African root was generally steady with 15c. being the usual quote but with 14½c. being considered possible with a firm order in hand.

Nutmegs—Prices continued to break. West Indian material was down to 42c. to 42½c. per pound for spots and 41c. to 41½c. for futures. East Indians were lowered to 48c. to 50c. for spots and to 47c. to 48c. for futures.

Pepper—Spots were under selling pressure and black pepper closed the year at 75c. to 76c. per pound as to quantity. Nearby futures became 72c. to 73c. and distant futures were offered more freely at a reduction to 54c. to 59c. depending on the shipment position quoted. White pepper reflected the downward trend and closed at 80c. to 81c.

Trade sources in India estimate the 1948-49 pepper crop, now being harvested, from 40,000,000 to 56,000,000 pounds, according to the Office of Foreign Agricultural Relations. This compares with a crop of about 38,000,000 pounds in 1947-48 and 44,800,000 pounds in 1946-47.

Comm'l Solvents Elects

Austin S. Igleheart, president of General Foods Corporation, and Harold H. Helm, president of the Chemical Bank & Trust Company, have been elected to the board of directors of Commercial Solvents Corporation, New York.

Obituaries

James L. Caruth

James L. Caruth, manager of the Pacific Coast branch of the National Lead Company, New York, died on December 23. He was fifty-two years old.

Mr. Caruth joined the National Lead organization as a white lead salesman in the southern states. He was subsequently transferred to the Chicago branch, and in 1936 was appointed assistant manager of the Cleveland branch. He moved to the Pacific Coast branch in 1942 and became its manager in 1943 upon the retirement of the late R. P. Prentys.

Harry R. Held

Harry R. Held, founder and president of the Ilsley & Held Company, paint manufacturer, New York, died December 29 in St. Elizabeth's hospital, New York. He was seventy-one years old. Mr. Held had been associated with the paint industry during all of his business career, and had formed the Ilsley & Held Company about 1900.

Charles A. Anderson, traffic manager of the Brooklyn, N. Y., office of E. R. Squibb & Sons, died December 26 in Northern Westchester hospital, Mount Kisco, N. Y. He was sixty-three years old. Mr. Anderson had been associated with the Squibb organization for twenty-seven years.

Dr. William C. Ebaugh, professor emeritus of chemistry at Denison University, Granville, Ohio, died December 28 in Newark, Ohio. He was seventy-one years old.

Bryce Gillespie, assistant treasurer and assistant comptroller of the General Petroleum Company, died recently at his home in Glendale, Calif. He was sixty-four years old. He joined the petroleum company as a materials clerk in 1912.

James H. Hayter, assistant purchasing agent of the Tidewater Associated Oil Company, Los Angeles, Calif., died recently in that city. He was fifty-nine years old.

William McAdams, one of the founders of the Home Oil Company, New Westminster, B. C., died December 26 in that city. He was seventy-five years old.

Malcolm H. Merritt, consulting chemical engineer with W. F. H. Schultz, Inc., chemical plant builder, New York, died December 28 of a heart ailment at his home in Larchmont, N. Y. He was fifty-four years old. Mr. Merritt was associated with the Koppers Company for twenty-four years before joining the Schultz organization in 1943.

James W. Smith, an employee of E. F. Drew & Co., New York, died December 28 in All Souls hospital, Morristown, N. J. He was thirty-nine years old.

Paul Wertheimer, former chairman of the board of Bourjois, Inc., perfume manufacturer, died December 28 in Paris. He was sixty-five years old.

Holiday Mementoes Received

With grateful appreciation to its friends, OPD hereby acknowledges the receipt of holiday greetings and expressions of good will from the following:—

Philip Bauer Company, New York.
Bridge Chemical Company, Chicago, Ill.
Calvert Drug Company, Baltimore, Md.
Paul Klemtner & Co., Newark, N. J.
Chase Bag Company, Chicago.
S. B. Penick & Co., New York.
Affiliated Agencies, Montreal, Canada.
Almarex Products, Inc., New York.
Alvarez Barba Hermanos & Cia, Quito, Ecuador.
Axiom International Company, New York.
Eston Chemicals, Inc., Los Angeles, Calif.
I. D. Russell Company Laboratories, Kansas City, Mo.
William N. Scheer & Staff, Newark, N. J.
Meldrum & Fewsmith, Inc., Cleveland, Ohio.
Davies Nitrate Company, New York.
Cross Siclare & Sons, Inc., New York.
Droguería Miguel, Havana, Cuba.

Imports at U.S. Ports

—*Continued from page 62*

COPRA—350 tons, Western Vegetable Oil Co, Indian Bear, Davao
250 tons, Pacific Veg Oil Co, Indian Bear, Davao
500 tons, El Dorado Oil Works, Indian Bear, Suricao
500 tons, El Dorado Oil Works, Indian Bear, Suiat
200 tons, Indian Bear, Suiat
LEAD ORE—155 dms, Bank of New South Wales, Alameda, Sydney
LEAD-COPPER DROSS—5,762 bgs, American Smelting & Ref Co, Alameda, Townsville
LEAD-SILVER BULLION—17,160 ingots, American Smelting & Refining Co, Alameda, Townsville
MANGROVE EXTRACT—40 cs, Dodwell & Co, Hongkong Transport, Hongkong
MATCHES, SAFETY—10 cs, Alexander & Baldwin, Canada, Gothenburg
TUNG OIL—450 tons, Chastine Maersk, Hongkong

McCormick Names Beane To Board of Directors

A. Jack Beane, manager of the spice and extract department of McCormick & Co., Baltimore, Md., has been elected to the board of directors of the company. Mr. Beane joined McCormick as a salesman at the conclusion of the recent war. He has served two terms as chairman of the company's junior board of executives.

McK.&R. Makes Harris Dallas Division Head

McKesson & Robbins, Inc., New York, has appointed W. C. Harris division manager at Dallas, Tex., to succeed the late John W. Allen. Mr. Haris, who has been associated with the organization since 1921, was formerly sales manager of its San Antonio division. In addition to Dallas and San Antonio, he has represented the company in the north Texas and south Oklahoma sales territory.

MUSTARD FLOUR
ALL GRADES
U S P
U S P BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
Manufacturers
80 Metropolitan Ave., Brooklyn 11, N.Y.
Phone EVergreen 7-9156

PUBLIC MILLERS
WEST COAST
All Types of Grinding
BOTANICALS
MINERALS
CHEMICALS
INSECTICIDES
MICRO-FINE GRINDING AVAILABLE
HECKATHORN & CO., LTD.
Fourth and Cutting Blvd.
P.O. Box 1407
RICHMOND, CALIFORNIA

GUMS
NATURAL
POWDERED — CRYSTALS
KARAYA ARABIC TRAGACANTH LOCUST BEAN
MYRRH SANDARAC OLIBANUM SHIRAZ
WM. M. ALLISON & CO.
162 Water St., N. Y. 7, N. Y. Telephone: WHi. 3-7422

FOUNDED T&B 1856
VANILLA BEANS
For over 90 years the recognized source of supply
THURSTON & BRAIDICH
286 Spring Street, New York 13, N. Y.

Z&T
VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD STREET PHILADELPHIA 47, PA.

M. Cortizas & Co.
IMPORTERS OF VANILLA BEANS
ALL VARIETIES
731-733 ARCH STREET
PHILADELPHIA 6, PA.
CABLE ADDRESS — VANCORT
CODES BENTLEY'S SECOND PHRASE AND PRIVATE

SEIL, PUTT & RUSBY, INC.
ESTABLISHED 1921
Earl B. Putt, President & Director
Alfred S. Moses, Vice President
Stephen S. Voris, Ph.D., Chief Chemist
ANALYTICAL & CONSULTING CHEMISTS
Recognized Authorities on Drugs, Essential Oils, Rotenone, Pyrethrum, DDT, and other organic insecticides. Expert personnel. Modern equipment. Up to date methods.
Purchase contracts based on SEIL, PUTT & RUSBY, INC. analyses of deliveries are used by many importers. Consult us if we can serve you.
Prompt attention to air-mail samples from all parts of the world.
Laboratories 16 E. 34th Street, New York 16, N.Y.
Telephone MUrray Hill 3-6368

Announcing

SYNTHETIC-100

Extreme Jell Aluminum Stearate

Gives highest yield, non-bleeding Lubricants.

Most Economical Grade for Grease Manufacturers.

Send For Sample

SYNTHETIC PRODUCTS CO.

(Established 1917)

1798 LONDON ROAD

CLEVELAND 12, OHIO

ALLIED Experience

ALLIED Facilities

ALLIED Knowledge

All add up to UNIFORM COMPOUNDS

ALLIED ASPHALT & MINERAL CORP., pioneer in compounding pitches, asphalt, waxes and gilsonite over 20 years ago, maintains the largest and most complete production facilities in these fields. ALLIED also maintains a highly trained staff of chemists, laboratory workers and research technicians which assures a remarkably high degree of uniformity.

Allied Asphalt & Mineral Corp.

Established 1925

217 BROADWAY, NEW YORK 7 • FACTORY: DUNELLEN, N. J.

AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CENTERS

BALTIMORE Warner-Graham Co.
BOSTON Mulcahy & Griffin
BUFFALO Wetherbee Chemical Co.
CHICAGO Philip E. Cate Co.
CINCINNATI Deeks & Sprinkel
CLEVELAND S. S. Skelton
DETROIT C. W. Hess Co.
HOUSTON Joe Coulson Co.
KANSAS CITY John T. Kennedy Sales Co.
LOS ANGELES E. B. Taylor Co.
LOUISVILLE Deeks & Sprinkel Co.
MONTREAL, CAN. Wm. J. Michaud Co., Ltd.
NEW ORLEANS C. N. Sutton
PHILADELPHIA Loos & Dilworth, Inc.
PITTSBURGH Jos. A Burns
PORTLAND, ORE. Miller & Zeirung Chemical Co.
ST. LOUIS Harry G. Knapp
SAN FRANCISCO E. M. Wells
SEATTLE Carl F. Miller & Co.
TORONTO, CAN. A. S. Paterson

Protective Coatings Materials

Higher schedules for a variety of protective coatings went into effect on Saturday. As foreshadowed by announcements last month, increases were noted for asbestos, carbon black, chrome colors, molybdate orange, American vermilion, zinc yellow and zinc oxide. During the week, the market, under the holiday influence, was otherwise inactive.

Asbestos is up $3 to $11.50 per ton. There is also a minor rise in the price of carbon black. Channel, beads, and very fine furnace in carload quantities are eight-hundreth cent per pound higher. Of the chrome colors, orange and yellow CP grades bring 2½ cents more. Reduced and CP chrome greens are up one cent and 2 cents, respectively.

Molybdate orange commands a 2 cent premium, while American vermilion has risen 2½ cents per pound. Zinc yellow has a 1½ cent increase, while all leaded and lead-free grades of zinc oxide are 2 cents up. Some zinc oxide makers are guaranteeing the new lists for all orders accepted for January shipment, but at least one producer has made all prices subject to change without notice.

With the beginning of the new year, allocations of aluminum paste and powder of at least one supplier are cut below levels of a year ago. Lead pigments remain short and firm. Mercuric oxides are steady, although quicksilver declined $2 to $7 per flask during the week.

Last week alkyds declined. One line dropped three-quarter cent to 2½ cents, while three grades of another maker were lowered 1½ cents to 2½ cents. At the same time, one company reduced phenolic resins by 1¼ cents to 1¾ cents per pound. Trading in natural resins was slow. Shellac was quiet and steady. Shortages are expected in the New York market within four to six weeks because of inadequate stocks at the source.

In lacquer materials, a dangerous, downward chain-reaction was said to be taking shape because of the severe break in the ethyl alcohol market. One producer lowered cresylic acid, retroactive to December 24. It is still to early to determine what action tricresyl phosphate sellers will take. The 8 percent tax on casein shipments from the Argentine went into effect on January 1.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
224.3	224.3	224.3	182.2

(For Current Prices see Page 9)

Prime Pigments

Aluminum Paste, Powder— Beginning this week, allocations of at least one producer will be cut under levels of a year ago because of the shortage of water power in this country and Canada and the increase in government demands for aluminum metal. Curtailment of offerings is expected to last at least through the first quarter. If at the end of March, when the situation will be reviewed again, the water power drought is no less acute, the cut-back will be extended to mid-year. Meanwhile, stocks last week were still reported adequate. Demand was steady. Prices were unchanged.

Antimony Oxide—The supply position was still excellent during the week. Buying interest was moderate, due mainly to seasonal influences. Prices were maintained, and no changes are contemplated for the immediate future.

Black, Acetylene—The price structure remained stable at year-end. Listings ranged from 13½c. to 19c. per pound. Interest was steady, but moderate. Supplies were reported ample.

Black, Carbon—On Saturday, carload prices of channel beads and very fine furnace, in bags, moved up 8/100c. per pound, as per previous announcements. The new schedule on affected grades follows:—Channel, beads, bulk, carload, works, 7c.; channel, beads, bags, carload, works, 7.4c.; channel, beads, bags, l.c.l., delivered or warehouse, 11.25c. to 11.7c.; very fine furnace, bags, carload, works, 7.4c., and very fine furnace, bags, l.c.l., delivered or warehouse, 11.25c. to 11.7c. per pound.

The Bureau of Mines reported total carbon black production for October at 108,788,000 pounds, as compared to 104,536,000 pounds in September and 112,921,000 pounds in October, 1947. Output during the first ten months of 1948 aggregated 1,078,740,000 pounds, opposed to 1,089,875 pounds during January-October, 1947. October shipments totaled 106,373,000 pounds, as against 100,829,000 pounds during the preceding month and 109,505,000 pounds in the corresponding month of 1947. Producers' stocks at the close of October were reported at 108,419,000 pounds, compared with 106,004,000 pounds on September 30 and 61,256,000 pounds on October 31, 1947. October exports, according to the Department of Commerce, amounted to 26,781,000 pounds, opposed to 25,843,000 pounds in September and 20,625,000 pounds in October, 1947.

Green, Chrome—As previously indicated, January 1 saw 1c. and 2c. rises on reduced and CP grades, respectively. The new schedule calls for a range of 13c. to 29¼c. per pound on reduced chromes and 38c. to 48¾c. per pound on CP colors. Supplies were excellent at year-end, with offerings in any quantity available for prompt shipment. Consuming inquiry was slow.

Lead Pigments — Stocks continued short last week, although demand was slow, primarily because of seasonal influences. Price-wise, the market was firm. Meanwhile, a maker of basic silicate white leads announced that two new plants were expected to go into production sometime this year.

Mercuric Oxides—Quotations on these pigments held firm during the week, as quicksilver declined $2 to $7 per flask. The market for mercury was very irregular, with considerable shading, and observers said that further drops were not unlikely in view of the inactive demand.

Orange, Chrome—As noted earlier, the price of the CP pigment went up 2½c. per pound on Saturday. The new quotation throughout the trade is 34c. per pound. Meanwhile, supplies last week were excellent, but demand was off, because of the holidays.

Orange, Molybdate—Effective January 1, the price of this material became 45c. per pound, 2c. higher than previous levels. The action follows announcements by the individual producers several weeks ago.

Red, Vermilion—Beginning this week, the trade-wise quotation of the American grade will be 34c. per pound, a rise of 2½c. over previous listings.

Titanium Dioxide—Prices were steady at year-end following increases last month. The supply situation remained acute, and shipments continued to be confined to regular customers on a quota basis. Demand was far in excess of current production.

Yellow, Chrome—January 1 saw a 2½c. rise in the CP material, moving trade-wise quotations to a new level of 34c. per pound. Stocks remained good. Demand was slow, primarily because of seasonal influences.

Yellow, Zinc—On Saturday, as previously indicated, this pigment material became subject to a 1½c. increase, rising to a new listing of 24½c. per pound.

Zinc Pigments—Beginning this week, all leaded and lead-free grades of zinc oxide are 2c. per pound higher. This is in line with previous announcements of the individual producers. The move, attributed to higher zinc metal costs, does not affect lithopone or zinc sulphide prices. All quotations of one producer are subject to change without notice. However, at least one other maker has guaranteed the new schedules for all orders accepted for January delivery. Zinc dust prices range from 20¼c. to 21¼c. per pound.

Zirconium Oxide—Schedules of this ceramic pigment held firm at year-end. The 98½-99 percent material was quoted at $1.50 per pound; the lump ranged from 44c. to 48c., and the milled commanded 59c. to 63c. per pound. Consuming inquiry was moderate, but steady. Supplies were at levels of previous weeks.

Fillers and Extenders

Calcium Carbonate — Supplies were plentiful during the week. Demand was slow. Two new producers were expected to enter the field this year. Prices were

For Late Market Developments, See Page 4

maintained. There were no arrivals from abroad.

Magnesium Carbonate — Importations during the past week aggregated 14,886 bags of talc from Genoa. The domestic situation remained tight, despite the added production of a new supplier. Prices were firm. Demand was strong.

Mica—Imported last week were 1,712 cases of mica from Calcutta, Madras and Lourenco Marques. The market was otherwise without feature. Stocks continued ample. Buying interest was on a par with previous levels. The price structure was stable.

Synthetic Resins

One company, already a factor in synthetic varnish resins, has begun production of a new line of phenolic molding powders. Deliveries began on January 1. Offerings of this maker include general purpose compounds in black, brown and a variety of colors. In addition, the firm manufactures a number of specialty items, such as high-heat resistant and improved electrical resistance compounds.

Meanwhile, another producer of phenolic molding powders matched competitive reductions last week. The move was interpreted as an attempt to stir up buying interest. Overall, these compounds have declined ¼c. to ¾c. per pound during the past two weeks.

Alkyd Resins—One line of these varnish resins last week was lowered by ¾c. to 2¼c. per pound. At the same time, another maker reduced three grades 1½c. to 2½c. Earlier in the month, decreases of ¼c. to 2½c. and 1c. to 5¾c. per pound were announced by two other producers. Supply-wise, the market was in good condition in view of sluggish demand.

Ester Gums—The market continued in balance during the past week. Demand was moderate. Prices were firm last week. However, earlier in the month, one producer effected the following reductions:—Modified rosin esters of pentaerythritol, 1¼c. to 2¾c.; glycerol esters of polymerized rosin, 1¼c. to 2c., and glycerol esters of hydrogenated rosin, ½c. per pound.

Maleic Resins—Quotations were maintained during the week. However, earlier in the month, one line declined by 3¼c. to 4c. per pound.

Phenolic Resins—Three grades of one maker were lowered by 1¼c. to 1¾c. per pound last week. Earlier in the month, another line declined 1c. per pound across-the-board. All but butylated grades were in good supply.

Urea-Formaldehyde Resins—This section was stable last week. Earlier in the month, however, one maker of butylated urea-formaldehydes announced reductions of 1c. to 2c. per pound.

Vinyl Resins — Steady last week, this section saw lowerings of 3½c. to 5½c. per pound on one line of polyvinyl acetate solutions earlier in the month.

Natural Resins

The holiday lull continued to have a dampening influence over trading in New York last week. Quotations were maintained throughout the market. Stocks were viewed as ample for the most part at year-end. Arrivals last week totaled 275 bags, 217 baskets and 1 package of copal gum from Antwerp and Macassar and 210 bags of dammar from Singapore.

Shellac—Because of the holiday season, both Calcutta and New York centers were quiet and steady last week. Interest was down to a minimum, a customary trend at this time of year. Supplies in this country were regarded as fair. However, at least one dealer intimated that shortages might crop up within the next four to six weeks, particularly in the better grades. This opinion stems from the fact that the Bysacki crop has almost completely disappeared from the market and that the yield from the Kusmi crop has not been up to expectations. Imported during the week were 236 bags of seedlac and 407 bags of shellac from Bangkok.

Lacquer Materials

A precarious, downward chain-reaction was reported to be taking shape in this section last week, despite the fact that plasticizers, ester and ketone solvents held firm. Last week's market situation, according to trade observers, stemmed directly from developments in the ethyl alcohol market. Because of highly competitive conditions, that material and all its forms have suffered a series of sweeping declines since mid-November. By last week, ethyl alcohol had declined to such a point that isopropyl alcohol producers were also forced to reduce schedules. However, it was generally agreed that the end of these decreases is not yet in sight. If ethyl alcohol should go lower, it is expected that ester solvents will be similarly affected. However, up to the present, producers of ester solvents have main-

AS WE SAID BEFORE — — EASY GRINDING INCREASES PROFITS

Mineral Pigments

MEET COMPETITION WITH IMPROVED PIGMENT SPECIFICATIONS

YOUR SALES DEPEND ON QUALITY

A COMPLETE LINE OF FINE COLORS

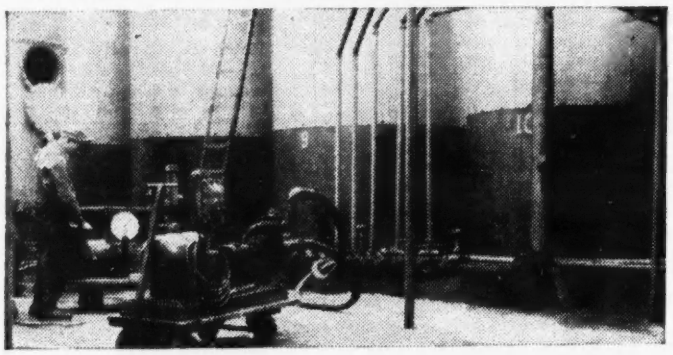
GREAT TINCTORIAL STRENGTH

—COLOR BRILLIANCE—

SYNTHETIC RED IRON OXIDES—
CHROMIUM GREEN OXIDE—
TUSCAN RED—OCHRES—
BROWN IRON OXIDE—
YELLOW

SIENNAS · UMBERS · LAMP BLACK · BLACK IRON OXIDES · VAN DYKE BROWN · BONE BLACK · PHTHALOCYANINE

MINERAL PIGMENTS CORPORATION OF MUIRKIRK, MD.



STOP THAT FIRE HAZARD!

Let us manufacture your

PAINT and VARNISH REMOVER

in our modern "safety" plant, and eliminate the threat of fire in your own establishment.

- Conforms to Federal Specification TT-R-251a.
- Packed under your private label.
- Produced under rigid chemical control.

IN THE PORT OF PHILADELPHIA

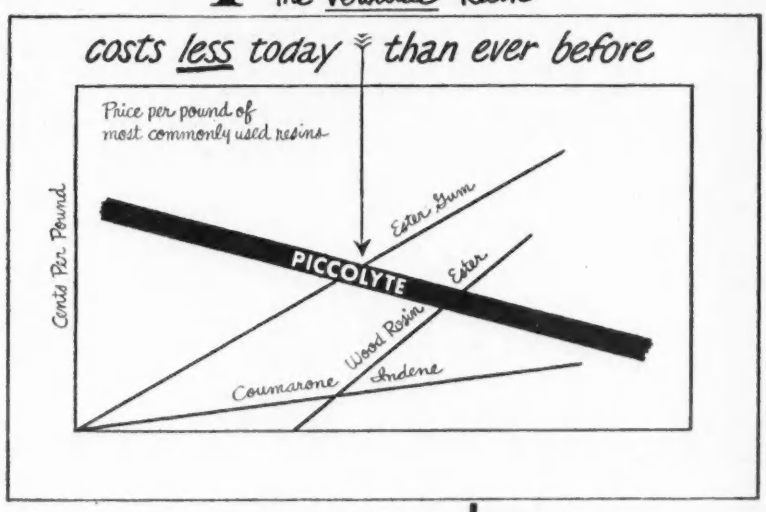
GEORGE SENN, INC.

2200 E. WESTMORELAND STREET • PHILADELPHIA 34, PA., U. S. A.

Cable Address: SENCO, PHILADELPHIA

Piccolyte

the Versatile Resin



and gives you these plus values

PALE COLOR, NON-YELLOWING. These pure hydrocarbon products do not become yellow, but retain their pale color.

READILY SOLUBLE. Piccolyte is a thermoplastic terpene resin, soluble in low-cost naphthas, as well as in coal tar solvents, mineral oils, chlorinated hydrocarbons, long chain ketones and long chain alcohols.

CHEMICALLY INERT. Piccolyte resists acids, alkalies, salt. It is compatible with waxes, resins, paint and varnish oils, bituminous materials, paraffin oils, rubber, and many other materials. Made in nine melting points.

Write for free sample of Piccolyte, and complete details, given in the new bulletin. Use the coupon.

PENNSYLVANIA INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PA.

Pennsylvania Industrial Chemical Corp.
Clairton, Pennsylvania
Please send me a free sample of Piccolyte, and your new bulletin.
I wish to investigate Piccolyte for (application).....
Name.....
Company.....
Address.....

(OP)

ALKYD RESINS of TIME-PROVED FORMULATION

S-1004-A SOLUTION

Excellent liquid for architectural brush and spray enamels of outstanding gloss, gloss retention, color, color retention, and durability. Gasoline, oil and grease resistant; can be washed with mild alkali solution. Combines with suitable Urea resins for superior white baking finishes.

S-1069-A SOLUTION

Modified resin for inexpensive white and colored brushing enamels. May be blended with drying oils, numerous varnishes and alkyd resin solutions. Excellent for complete low-cost shelf-goods line, including primer-sealers, semi-gloss and flats.

Write for complete information

ALKYDOL *Laboratories, Inc.*

3240 South 50th Avenue Cicero 50, Illinois

MANUFACTURERS OF

ALUMINUM POWDER

FLAKE AND GRAIN FORM FOR ALL PURPOSES

READE MANUFACTURING CO., INC.

Main Office JERSEY CITY 2, N. J. • Tel. Journal Square 2-3012 • Works LAKEHURST, N. J.

STANDARDIZED AND SPECIAL

stearates

- ZINC
- CALCIUM
- STRONTIUM
- MAGNESIUM
- ALUMINUM
- BARIUM

More than 20 Grades and Types Available. Samples on Request

MALLINCKRODT CHEMICAL WORKS

81 Years of Service to Chemical Users

Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N.Y.

CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES

MONTREAL • PHILADELPHIA • SAN FRANCISCO

DI METHYL PHTHALATE

▼

DI OCTYL PHTHALATE

▼

BIRCH-KLINE CO., Inc.

369 LEXINGTON AVENUE NEW YORK 17 N Y

Telephone: MUrray Hill 5-6658

tained quotations in an effort to recoup losses incurred from the alcohol break. Nevertheless, should they be forced to drop the price of ester solvents, ketones will also slide.

Triceresyl Phosphate—One producer of cresylic acid last week announced reductions of 15c. and 25c. on low and high-boiling grades, respectively, retroactive to December 24. It was still too early to determine just what effect these price cuts would have on schedules of this plasticizer. Meanwhile, one producer of tricresyl phosphate reported some slackening off of demand, owing primarily to seasonal influences. However, inquiries, during the entire month of December were said to be good. In fact, supplies were still running a nip-and-tuck race with demand.

Miscellaneous Materials

Animal Drying Oils—The market was quiet and firm last week. Prices ranged from 29¼c. to 32¼c. per pound.

Animal Fatty Acids—A decline of ¼c. per pound was noted in one grade during the week. The market was otherwise without feature.

Asbestos—As previously indicated, increases of $3 to $11.50 per ton were effected throughout the trade on Saturday. Meanwhile, supplies last week continued at previous levels. Short fibers were still freely available, but long-fibered asbestos remained extremely scarce. Imported during the period under review were 5,234 bags of asbestos fiber from Lourenco Marques and Durban. Following are the January 1 increases by grades:—5D and 5K, $11.50; 5R, $10.50; 6D, $8; 7D, $6; 7F, $5.50; 7K, $4.50; 7M, $3.50; 7R, $3.50; 7RF, $4; 7T, $3, and 7TF, $4 per ton.

Casein—As previously announced, an 8 percent export tax was applied to all casein shipments from the Argentine, effective January 1. However, the market in Buenos Aires was uncertain during the week. Several producers refused to make any offerings until there was some clarification of the problem of who would absorb the new tax. In New York, the market continued firm, but there was no interest. Substitutes were still taking away much of the business.

Cashew Nut Liquid—This treated material last week was quoted at 21c. per pound, carload, f.o.b. Newark, and 22¼c. to 24¼c. per pound, l.c.l., same basis.

Glue—Quotations were firm last week on both bone and hide grades. The latter was in poor demand, but the former continued to receive heavy inquiry. Hide stocks remained severely short, while bone glue producers were reported to be building inventories. Importations during the period under review totaled 364 rolls of gluestock from Barranquilla.

Graphite—Arrivals last week were reported at 1,500 bags of graphite from Colombo. The market was otherwise without feature, prices, supplies and demand all continuing at former levels.

Gypsum—Importations during the past week aggregated 10,005 tons of gypsum from Hautsport. The market was otherwise quiet because of the holidays.

Stearates—There were expectations in the market of declines in these materials, but as of week's end there was no official action to report anywhere in the trade. Meanwhile, both tallow and stearic acid declined. Business was slow because of year-end curtailment of operations.

Soybean Protein—The market was steady last week. Following are current quotations:— Chemically isolated, 22c. to 26c. per pound, works, and mechanically refined, 6.1c. to 6.5c. per pound, works.

Zein—This material moved in small, but steady, volume last week. Prices remained at a range of 25c. to 30c. per pound, works, as it has for some time.

Naval Stores

The records of the gum naval stores markets over the week ended December 31 were as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.*	Thursday	
B	$6.63	$6.63	$6.63	$6.63	...	$8.00	$8.75
D	7.19	7.19	7.19	7.19	...	8.35	9.10
E	7.43	7.43	7.43	7.43	...	8.35	9.10
F	7.49	7.49	7.49	7.49	...	8.50	9.25
G	7.65	7.65	7.65	7.65	...	8.70	9.45
H	7.65	7.65	7.65	7.65	...	8.70	9.45
I	7.65	7.65	7.65	7.65	...	8.70	9.45
K	7.65	7.65	7.65	7.65	...	8.70	9.45
M	7.65	7.65	7.65	7.65	...	8.70	9.45
N	7.72	7.72	7.72	7.72	...	8.70	9.45
WG	7.85	7.85	7.85	7.85	...	8.85	9.60
WW	8.06	8.06	8.06	8.06	...	8.95	9.70
X	8.06	8.06	8.06	8.06	...	8.95	9.70

	Drums				
Sales	...	...	...	...	...
Receipts	140	88	70	...	...
Shipments	886	116	...	...	...
Stocks	22,381	22,353	22,423	22,423	

Gum Turpentine

	Savannah Exchange—Bulk					New York (ref. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.*	Thursday	
Per gal.	.35¼	.36½	.36½	.36½	...	.43½	.56
Sales, bbls.	160	320	120	...	...		
Receipts, bbls.	...	...	298	...	...		
Shipments, bbls.	202	10	91	...	...		
Stocks, bbls.	17,406	17,396	17,603	17,603			

* No market.

COLORS

- IRON BLUE
- CHROME GREEN
- CHROME YELLOW
- ORGANIC LAKES
- AND TONERS

For Paint • Printing Ink • Carbon Paper • Rubber • Crayons • Cement, etc.

FILO COLOR & CHEMICAL CORP.

11 BROADWAY, NEW YORK 4, N.Y.

Cable: FILOCOLOR

STAINLESS STEEL BARRELS

STEEL SHIPPING CONTAINERS

The Cleveland Steel Barrel Co.

FOUNDED 1912

CLEVELAND 5, OHIO

RED YELLOW IRON OXIDES BROWN BLACK

C. J. OSBORN CO. 132 Nassau Street, New York 7

Established 1889

INDUSTRIAL PERFUMES

For Manufacturers of

- PAINTS • INKS • TEXTILES
- RUBBER • GLUE • POLISHES

Our laboratories are equipped to handle all odor problems

We invite your inquiries

PERRY BROS., INC., 220 Flushing Ave., Brooklyn 5, N.Y

ULster 5-2777

NPVLA Plans Supplement To Trademark Directory

The trademark bureau of the National Paint, Varnish and Lacquer Association is planning the publication early this year of a supplement to its "1947 Trade-Mark Directory." The association has requested all manufacturing concerns to inform it of any trademarks now in use and not included in the 1947 directory, and has set January 17 as the deadline for receipt of this information.

Monomeric Styrene Process Described in New Report

A comprehensive description of the production of monomeric styrene at Chemische Werke, Huls, Germany, is contained in a report now available from the Office of Technical Services. The Huls plant was investigated by a team of the British Intelligence Objectives Subcommittee, and the present report embodies their findings with regard to I. G. Farben methods for the derivation of monomeric styrene.

PB 94624, "Production of Monomeric Styrene at Chemische Werke, Huls," 399 pages including illustrations, diagrams, graphs and tables, is available in photostat form at $50 per copy, or in microfilm at $9. Orders should be addressed to the Library of Congress, Photoduplication Service, Publication Board Project, Washington 25, D. C., accompanied by check or money order payable to the Librarian of Congress.

Allied Asphalt Agent Opens Louisville Office

Allied Asphalt & Mineral Corporation, compounder of pitches, waxes and Gilsonite, New York, with a plant in Dunellen, N. J., has announced that Deeks & Sprinkel, its agent in Cincinnati, has opened an office in the Hoffman building, 139 South Fourth street, Louisville, Ky., where Mr. Sprinkel will be in charge.

British Paint Research Group Re-elects Officers

The Research Association of British Paint, Colour and Varnish Manufacturers at its annual meeting, November 25, re-elected its retiring officers. They are:—President, J. W. Cole; vice-presidents, Prof. H. V. A. Briscoe and T. T. Walton; honorary treasurer, D. L. Annand.

The result of the balloting for members of the council was the election of the following:—J. Clarkson, of the Strathclyde Paint Company; S. W. Greig, of British Paints, Ltd.; C. A. F. Hastilow, of Pinchin, Johnson & Associates, Ltd.; Dr. H. W. Keenan, of Beck, Koller & Co. (England); C. W. A. Mundy, of Younghusband, Barnes & Co.; Dr. H. Samuels, of Imperial Chemical Industries, Ltd.

N.Y. Paint Technicians Plan January 6 Meeting

The New York Paint and Varnish Production Club will meet at the Building Trades Employers Association on January 6. Featured speaker at the meeting will be Arthur Minich, Nuodex Products Company, who will discuss "New Aspects of Rustproofing."

Phila. Paint Technicians Discuss Market Research

"New Horizons for Technical Men-Marketing Research" was the subject of a talk by Harold M. Johnson, vice-president of the Nuodex Company, at the December meeting of the Philadelphia Paint and Varnish Production Club held at the Engineers Club.

Mr. Johnson said that marketing research is as much a part of the work of the technical man as of the sales department, for technical men can properly evaluate and realize where greatest use lies.

Trade Briefs

Raymond J. Vonesh has been appointed first executive secretary of the Chicago Paint, Varnish and Lacquer Association.

Robert L. Sommerville has been appointed assistant general sales manager of Electric Storage Battery Company, Philadelphia.

Dobbs-Nelson Company has been appointed sole distributor in the Chicago area of the plastic films and sheetings produced by the Imperial Chemical & Plastics Corporation, New York.

Jesse S. Young, eastern sales manager of Advance Solvents & Chemical Company, New York, will be married on January 9 to Miss Evelyn Richter of Bronx, N. Y. The couple will honeymoon for a month in Florida.

HARCHEM MANUFACTURERS OF FINE CHEMICALS FOR INDUSTRY

HARFLEX PLASTICIZERS
for VINYL RESINS
and SYNTHETIC RUBBERS

HARDESTY CHEMICAL CO., INC.
41 EAST 42nd ST., NEW YORK 17, N. Y.

GENERAL MILLS PRODUCTS

Sales Representatives for the Chemical Division of General Mills, Inc. in New York (excluding Buffalo) and parts of Connecticut, New Jersey and Delaware for Soya Bean Oils also:

Fatty Acids, General Mills Aliphats and Modiphats

All Types, Mixed and Fractionated, Vegetable, Animal and Marine

G. S. ZIEGLER & COMPANY
233 BROADWAY, NEW YORK 7, N. Y. Factory: New Market, N. J.
AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CITIES

ZINC RESINATES

ZITRO— ZIREX— ZINAR— ZINOL

Newport Zinc Resinates are an aid to through dry . . . they promote the wetting and dispersion of pigments . . . they improve the gloss, adhesion, cohesion and abrasion resistance of paint and varnish films . . . they minimize or eliminate wrinkling and skinning . . . they inhibit loss of drying strength by preventing drier absorption due to their excellent dispersing power . . . and they are excellent dispersing agents for oil gels.

Newport Zinc Resinates exert an immediate hardening effect on a paint or varnish film due to their relatively high melting points, which is followed by the through dry because of their zinc content.

Newport's technical department will assist you in reducing costs while maintaining quality with Newport Zinc Resinates.

NEWPORT INDUSTRIES, Inc.
230 PARK AVENUE NEW YORK 17, N. Y.

Effective January 1, 1949, the

INDOIL CHEMICAL COMPANY

a wholly owned subsidiary of the

STANDARD OIL COMPANY
(INDIANA)

will take over the personnel and sales activities of the Chemical Products Department of the parent Company. This move will permit more efficient handling of our chemical business on a nation-wide basis.

INDONEX Plasticizers
INDOPOL Polybutenes
INDOCENE Aromatics
ALKANESULFONIC Acids
INDOIL Sulfonates and other
INDOIL Chemical Products

We take this opportunity of expressing appreciation of our past pleasant relations, and our hope of expanded but equally pleasant future relations.

INDOIL CHEMICAL COMPANY
910 South Michigan Avenue
Chicago 80, Illinois

INDOIL CHEMICAL PRODUCTS

OHIO-APEX, INC., Nitro, W. Va.
Manufacturers of PLASTICIZERS and CHEMICALS

KRONISOL, (Dibutoxy Ethyl Phthalate)
(Dibutyl "Cellosolve" phthalate)
KRONITEX AA, (Tricresyl Phosphate)
METHOX (Dimethoxy Ethyl Phthalate)
(Dimethyl "Cellosolve" phthalate)
ETHOX (Diethoxy Ethyl Phthalate)
(Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL (Methoxy Ethyl Oleate)
KP-23 (Butyl "Cellosolve" Stearate)
PHOSPHORUS TRICHLORIDE
PHOSPHORUS OXYCHLORIDE
ANHYDROUS ALUMINUM CHLORIDE

Samples and data on request

"Cellosolve" "Kronisol" "Kronitex" "Methex" "Ethox" and "Kapsol" are trademarks.

For inorganic phosphorus products, represented by Joseph Turner & Co., Ridgefield, N. J. For plasticizers, represented in New York, New Jersey and Connecticut by Steney-Mueller, Inc., Lyndhurst, N. J.; in Illinois, Michigan and Wisconsin by William J. Hough Co., Chicago, Ill.

ROSINS—GUM AND WOOD
PINE OIL—DIPENTENE—TERPENES

G. A. WHARRY & CO., INC.
95 BROAD STREET, NEW YORK, N. Y.
Telephone: WHITEHALL 3-5760 Cable: KAYWHARRY

KESSCO PRODUCTS
CHEMICAL SPECIALTIES

PLASTICIZERS
Cellulose, Vinyls,
Rubber, Resins

SOFTENERS
Leather, Rubber,
Textile, Paper

EMULSIFIERS
Cosmetics, Foods,
Pharmaceuticals,
Petroleum, Agriculture
Insecticides

KESSLER CHEMICAL CO., INC.
ESTABLISHED 1921
STATE ROAD and COTTMAN AVE. • PHILADELPHIA 35, PA.

Pratt & Lambert Plans Centennial Celebration

Plans for the celebration of the company's 100th year in business were outlined by Harold E. Webster, president of Pratt & Lambert, Inc., Buffalo, N. Y., at a recent Christmas party for employees. Mr. Webster said that the outlook for the company's business in 1949 is "definitely good," and added that it has subsfantial industrial business in prospect, in addition to predictions that private and public construction work will be almost as large as in 1948.

Phila. Paint Club To Meet January 12

The Philadelphia Paint, Varnish and Lacquer Association will meet at the Adelphia hotel, Philadelphia, on January 12. Featured speaker at the meeting will be Dr. Wilton M. Krogman, professor of physical anthropology, Graduate School of Medicine, University of Pennsylvania, who will discuss "The Story of Murder in the Bone."

Monsanto Advances Bergen

Monsanto Chemical Company, St. Louis, Mo., has appointed Howard S. Bergen assistant coordinator of the plasticizers, resins and solvents group of its organic division development department. Mr. Bergen, who has been associated with the company since 1946, will concern himself primarily with the administration of the development program on plasticizers.

Calgon Advances Utesch

Calgon, Inc., cleaning compounds manufacturer, Pittsburgh, has appointed Donald N. Utesch sales manager in the laundry and dry cleaning fields. Mr. Utesch has been associated with the Calgon organization since 1944, and formerly spent two years as chemical sales representative of International Minerals & Chemical Corporation.

Commerce Industrial Chemicals Opens New Milwaukee Facilities

Commerce Industrial Chemicals, Inc., Milwaukee, Wis., has opened a bulk plant and warehouse at 6377 North Teutonia avenue. The company ahs been appointed distributor for the resins of Krumbhaar Chemicals, Inc., the petroleum solvents of the Anderson-Prichard Oil Corporation and the pigments of the Edgar Brothers Company. It will also carry a complete line of aromatic, coaltar, chlorinated, ester and alcohol solvents.

CDIC Paint Technicians Discuss Printing Inks

Carl Hansel, of the Ander Chemical Company, was featured speaker at the recent meeting of the Cincinnati, Dayton, Indianapolis and Columbus Paint and Varnish Production Club. Mr. Hansel spoke on the printing of cartons and gave details of the quality and composition of the various printing inks used in the process.

Western Oil & Gas Ass'n Elects Taylor President

The Western Oil & Gas Association elected Reese H. Taylor president at its recent meeting in Los Angeles, Calif. Mr. Taylor, who is president of the Union Oil Company, succeeds Ralph B. Lloyd, president of the Lloyd Corporation. Ten new directors were added to the association's board, and all other officers were reelected.

Paraffine Companies Holds Paint Salesmen's Conference

The paint sales division of the Paraffine Companies held a conference at its San Francisco office recently to outline sales and merchandising plans for 1949. The meeting was attended by all the company's paint salesmen in northern California, southern Nevada, Utah, Wyoming and Colorado.

Reads Celebrate 50th Anniversary

Mr. and Mrs. Charles L. Read celebrated their golden wedding anniversary at a small party on December 28. Mr. Read heads Charles L. Read & Co., supplier of turpentine, linseed oil and mineral spirits, New York. Owing to the illness of Mrs. Read, only a small number of guests were invited.

Du Pont Develops New Enamels for Aluminum

E. I. du Pont de Nemours & Co., Wilmington, Del., has announced the development of enamels fo. some alloys of aluminum, which are said to enhance the metal's durability, utility and beauty. The new enamel is said to be vitreous and is fired on aluminum strips, sheets and castings in furnaces similar to those used to apply porcelain to steel.

Trade Briefs

Lee R. Forker, of the Quaker State Oil Refining Corporation, Oil City, Pa., is chairman of the containers committee of the National Association of Purchasing Agents.

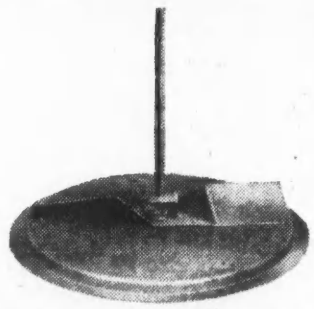
Britton Oil Company has acquired an option for the purchase of a seven-eighths interest in 140 acres in Pontotoc County, Okla., on which there are now five producing wells.

Tide Water Associated Oil Company is planning to erect twenty-three lubricating oil storage units and four large tanks for gasoline and heating oils storage at Bayonne, N. J.

Recovery Facilities Available
All types of liquid mixtures
Distillation and Extraction
High Temperature • High Vacuum
Simple Distillation ■ Difficult Fractionations
Separation of close-boiling liquids, isomers and azeotropes our specialty
Drum Lots • Tank Cars
Truland Chemical & Engineering Co.
Incorporated
P. O. BOX 426, UNION, N. J.
UNionville 2-7260

METHYLENE CHLORIDE
Refrigeration and Paint Remover Grades
CHLOROFORM
Technical Grade
CHAPLAIN & BIBBO
110 Washington St. New York 6, N.Y.
Tel. BO 9-5636

WOODMAN
DRUM
AGITATOR



THE IDEAL DRUM AGITATOR!
—CHECK THESE FEATURES:

- QUICKLY ASSEMBLED—No bridge to weld—No pin to insert into agitator rod.
- AGITATOR BECOMES INTEGRAL PART OF DRUM—It is anchored to bottom by a standard ¾ inch cast iron plug screwed into a ¾ inch tri-sure flange.
- BLADE BRINGS UP ALL PIGMENT FROM BOTTOM—Blade is within ¼ inch of bottom. It's 45° pitch assures thorough mixing of all pigments, oils and solvents.
- AGITATOR COMES KNOCK-DOWN—This saves storage space.

WRITE FOR INFORMATION AND PRICES

WOODMAN AGITATOR, INC.
15625 NORMANDY AVENUE
CLEVELAND 11, OHIO

Lead Chemicals Export Quotas: Jan.-Mar.

Country export quotas for lead chemicals for the first quarter of 1949 have been announced by the Office of International Trade, Department of Commerce. The quotas and types of chemicals, with their census schedule B numbers, are as follows, in pounds:—

	Lead and chrome pigments 842900	Lead acetate 832990	Litharge 842500	Red lead, dry 842400	Red lead in oil 843100	White lead, dry 842600	White lead in oil 842700
ECA countries—							
Belgium and Luxembourg	50,000	.....	.....	.....	.....	.....	.....
Denmark	.....	2,000	25,000	20,000	.....	.....	.....
France	200,000	.....	10,000	100,000	.....	.....	.....
Germany-Bizone	.....	.....	2,000	.....	.....	.....	.....
Greece	10,000	.....	.....	3,000	.....	5,000	.....
Iceland	.....	.....	.....	5,000	.....	.....	.....
Ireland	20,000	1,000	1,000	4,000	.....	15,000	10,000
Italy	15,000	.....	.....	.....	.....	.....	.....
Netherlands	10,000	.....	75,000	100,000	.....	.....	.....
Norway	2,000	2,000	45,000	90,000	.....	50,000	.....
Portugal	6,000	.....	.....	.....	.....	.....	.....
Sweden	.....	.....	20,000	52,000	.....	.....	20,000
Switzerland	10,000	.....	5,000	.....	.....	.....	.....
Trieste	2,000	.....	.....	.....	.....	.....	.....
Turkey	10,000	.....	2,000	10,000	2,000	35,000	5,000
ECA territories—							
Belgian Congo	.....	.....	.....	5,000	4,000	.....	1,000
British Territories—							
British West Africa	.....	.....	.....	.....	.....	.....	1,000
Hongkong	30,000	.....	.....	5,000	.....	.....	.....
French Territories—							
French Indo China	2,000	.....	.....	12,000	.....	.....	.....
Netherlands Territories—							
Netherlands Indies	10,000	.....	.....	10,000	2,000	15,000	2,000
Latin America—							
Argentina	100,000	5,000	.....	.....	.....	.....	.....
Bolivia	2,000	.....	1,500	.....	1,000	5,000	2,000
Brazil	100,000	2,000	.....	45,000	.....	100,000	.....
Chile	50,000	2,000	40,000	40,000	1,000	65,000	2,000
Colombia	15,000	10,000	15,000	100,000	3,000	18,000	2,000
Costa Rica	.....	.....	.....	2,000	1,500	.....	2,000
Cuba	50,000	2,000	25,000	50,000	25,000	15,000	2,000
Dominican Republic	.....	.....	.....	4,000	1,000	.....	2,000
Ecuador	.....	.....	.....	2,000	1,500	.....	2,000
Guatemala	.....	2,000	.....	2,000	2,500	.....	3,000
Haiti	.....	.....	.....	.....	1,000	.....	1,000
Honduras	.....	.....	2,000	.....	1,000	.....	2,000
Mexico	110,000	6,500	27,000	50,000	3,000	10,000	5,000
Nicaragua	.....	.....	4,000	2,000	1,000	.....	1,000
Panama	.....	.....	.....	.....	15,000	5,000	1,000
Paraguay	.....	.....	.....	.....	1,000	.....	1,000
Peru	15,000	2,000	54,000	20,000	5,000	.....	2,500
Salvador	2,000	.....	.....	2,000	30,000	.....	3,000
Uruguay	30,000	.....	15,000	50,000	1,000	45,000	10,000
Venezuela	25,000	2,000	4,000	15,000	2,000	.....	1,000
British Commonwealth—							
Newfoundland	.....	.....	.....	.....	1,000	.....	.....
New Zealand (W. Samoa)	.....	.....	.....	2,000	1,000	.....	3,000
Union of South Africa	50,000	2,000	5,000	10,000	.....	10,000	.....
Far East—							
China	20,000	7,000	.....	20,000	.....	5,000	10,000
Korea	.....	.....	20,000	10,000	5,000	.....	11,000
Philippines, Republic of	9,000	10,000	30,000	60,000	1,000	40,000	50,000
Siam	.....	.....	.....	.....	1,000	.....	.....
Middle East—							
Egypt	.....	.....	.....	.....	.....	15,000	15,000
India	5,000	20,000	25,000	.....	.....	.....	.....
Lebanon	.....	.....	.....	.....	.....	.....	2,000
Total material*	960,000	77,500	452,500	902,000	113,500	453,000	174,500
Total lead content*	576,000	46,500	420,825	820,820	93,070	362,400	125,640

*Totals represent 2,445,255 pounds of lead. Does not include 980,000 pounds of lead for special projects. Does not include 174,745 pounds of lead for undistributed reserve. Total authorized allocation amounts to 3,600,000 pounds of lead.

MINERAL PIGMENTS and EXTENDERS

BLACK, BROWN, RED, YELLOW IRON OXIDES

METALLIC BROWNS, UMBERS, VENETIAN REDS, OCHRES

•

Chromium Oxide and Hydrate
Barytes, Clay, Whiting, Talc

C. K. WILLIAMS & CO.

Easton, Pa. East St. Louis, Ill. Emeryville, Cal.

COPPER CARBONATE
ZINC CYANIDE
DIMETHYL PHTHALATE
DICHLORBENZOIC ACID
METHAMINE U. S. P.

Chemical Service Corporation
88 BEAVER STREET, NEW YORK 5, N. Y.
HANOVER 2-6970

Consistently better SOLUBILITY because SOLIGEN Driers are MONOPEGIC*

* From Greek *monos*, single and *pege*, source. Certain California crudes are recognized as the best source of the naphthenic acids particularly suited to drier manufacture. Soligen Driers are made exclusively from these special acids whose fundamental structure leads to free solubility of their salts in solvents and oils — and every step in the manufacture of Soligen Driers is designed to preserve and enhance this ready solubility.

For detailed information on naphthenate driers, write for our Soligen Drier booklet today!

Advance

ADVANCE SOLVENTS & CHEMICAL CORP.
245 Fifth Avenue • New York 16, N. Y.

Stearates

ZINC STEARATE
ALUMINUM STEARATE
CALCIUM STEARATE
BARIUM STEARATE
LITHIUM STEARATE
MAGNESIUM STEARATE

For PHARMACEUTICALS, COSMETICS, RUBBER, PAINTS, VARNISHES, LACQUERS, PLASTICS.

For PAINTS, VARNISHES, LACQUERS, LUBRICATING GREASES, INKS.

For PAINTS, VARNISHES, LACQUERS, WATER-PROOFING, SURFACE COATINGS.

Where Uniformity Is An Achievement

PLYMOUTH

Technical Service Available • Send for Samples and Data

M. W. PARSONS
Imports and PLYMOUTH ORGANIC LABORATORIES, INC., NEW YORK
GENERAL OFFICES: 59 SEAMAN STREET, NEW YORK, N. Y. FACTORY: BUSH TERMINAL BUILDINGS, BROOKLYN, N. Y.
DISTRIBUTION POINTS AND AGENTS IN ALL PRINCIPAL CENTERS

Distributors
THOMPSON-HAYWARD CHEMICAL CO., Kansas City, Mo., AND BRANCHES
HAWXHURST & Co., San Francisco & Los Angeles, Cal.
MEFFORD CHEMICAL CO., Los Angeles, Cal.
O. L. WEST, Philadelphia, Penna.

Wanted!
SURPLUS CHEMICALS
SOLVENTS • RESINS • PIGMENTS
•
WE WILL PURCHASE YOUR EXCESS INVENTORY
BEFORE END OF YEAR
Barclay CHEMICAL COMPANY, INC.
77 VARICK STREET NEW YORK 13, N. Y. • WO 4-5120

FERRO FUNGICIDES
• Copper Naphthenate . . 8%
• Zinc Naphthenate 8%
• Mercury Naphthenate 25%
These and other Naphthenates are available for immediate delivery. Write today for samples and new, free descriptive booklet . . . FERRO FUNGICIDES.
FERRO CHEMICAL CORPORATION
BEDFORD, OHIO

CROWN OIL'S LATEST ALKYD C-589
GIVES ENAMEL MANUFACTURERS A HANDFUL OF FEATURES
BETTER GLOSS!
NON-YELLOWING!
MINIMUM FOGGING!
QUICKER THRU-DRY!
BETTER MAR RESISTANCE!
SPECIFICATIONS — C589
Solids ..... 60% in M.S.
Viscosity ..... T-U(G-H)
Wt. per Gal. ..... 7.75 lb.
Color ..... 6-8 (Gar.)
A. V. 3-5
Remember Crown Oil Alkyd Resins . . . for quality. Technical data and other pertinent information furnished on request.
CROWN OIL PRODUCTS CORP. 2-14 Forty-Ninth Ave. Long Island City, N.Y.

Oils, Fats Production, Consumption: November

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for November, 1948, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds	
	Production	Consumption
Babassu, crude	[1]	2,743,000
Refined	[1]	[1]
Castor, No. 1, crude	9,198,000	7,145,000
No. 3, crude	2,766,000	2,181,000
Dehydrated	3,419,000	3,057,000
Sulphonated	.....	214,000
Chinawood or tung oil	528,000	8,869,000
Coconut, crude	35,185,000	43,827,000
Refined	19,488,000	21,288,000
Corn, crude	20,557,000	19,791,000
Refined	18,163,000	6,862,000
Cottonseed, crude	224,476,000	176,706,900
Refined	167,556,000	122,772,000
Linseed	58,111,000	32,387,000
Olive, edible	219,000	72,000
Inedible	.....	32,000
Sulphur or olive foots	.....	[1]
Oiticica	.....	1,186,000
Palm, crude	.....	3,310,000
Refined	.....	347,000
Peanut, crude[2]	17,797,000	14,235,000
Refined	13,621,000	5,433,000
Rapeseed	.....	486,000
Sesame	[1]	[1]
Soybean, crude	154,200,000	126,686,000
Refined	116,910,000	98,526,000
All other	5,016,000	4,094,000

Animal Fats

Lard, rendered, (including neutral lard and rendered pork fats)	195,736,000	11,898,000
Neatsfoot oil	219,000	293,000
Tallow, edible	7,072,000	3,931,000
Inedible	95,165,000	103,694,000

Fish and Marine Mammal Oils[3]

Cod	228,000	746,000
Codliver	9,000	1,081,000
Marine mammal	14,000	2,768,000
Other fish	46,042,000	12,702,000
Other liver	236,000	682,000

Greases

Greases (including garbage and house), other than wool	49,587,000	45,492,000
Wool grease	1,032,000	1,624,000

Secondary Products

Animal fats and oil fatty acids	13,634,000	13,345,000
Animal foots, 100% basis	2,200,000	2,553,000
Fish and marine mammal fatty acids	1,858,000	463,000
Grease and lard oil	4,254,000	2,431,000
Oleo oil	4,839,000	554,000
Red oil or oleic acid	5,593,000	4,112,000
Stearic acid	5,895,000	4,762,000
Foots, from fish and marine mammal oil (100% basis)	[5]	337,000
Stearin, animal, edible	3,047,000	1,987,000
Inedible	1,917,000	940,000
Stearin, vegetable oil, winter	10,908,000	10,330,000
Tallow oil	1,353,000	770,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, refuse, etc	9,303,000	6,705,000

Other Products

Glycerin, chemically pure (100% basis)	9,240,000	7,544,000
crude oil (100% basis)	15,060,000	16,945,000
high gravity and yellow distilled (100% basis)	7,069,000	6,980,000
Hydrogenated oils, edible	110,580,000	111,113,000
Inedible	17,553,000	16,023,000
Shortening	134,629,000	5,113,000
Winterized vegetable oils	49,606,000	.....

NOTE: Limitations of the consumption data are given in "Facts for Industry" Series M17-7-07, Animal and Vegetable Fats and Oils, 1943-1947.

[1] Included in "All Other" vegetable oils to avoid disclosure of operations of individual establishments.

[2] Data on production collected by Bureau of Agricultural Economics; stocks held by crude peanut oil producers also reported by Bureau of Agricultural Economics, whereas those held at refineries are collected by the Bureau of the Census.

[3] Data collected from Fish and Wildlife Service from fish oil producers are preliminary.

[4] Includes 2,597,000 pounds of menhaden oil and 2,874,000 pounds of herring, sardine and pilchard.

[5] Not shown to avoid disclosure of individual operations.

Raw Materials Used

	Tons	
	Consumption	Stocks Nov. 30
Babassu	[1]	[1]
Castor beans	12,923	9,036
Copra	27,377	5,265
Corn germs	26,757	737
Cottonseed	710,592	2,129,379
Flaxseed	83,465	198,133
Soybeans	482,874	1,750,480
Peanuts[2]—		
Farmer's stocks[3]	9,867	466,981
No. 2 and oil stock[4]	20,525	15,437
Other	4,952	2,793

[1] Included in other seeds.

[2] Bureau of Agricultural Economics collected the data on consumption and stocks of peanuts.

[3] Weights shown for peanuts in shell.

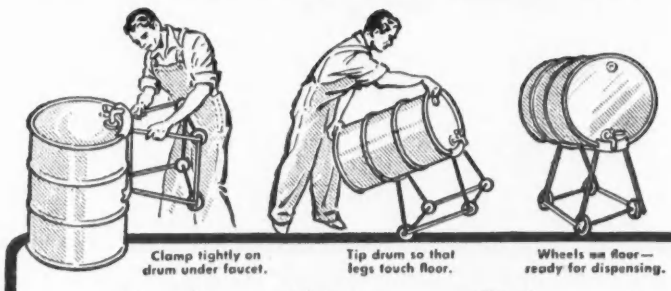
[4] Weights shown for shelled peanuts.

ODC Lists New Patents

A listing of patents covering food machinery, products and processes, designed as an aid to manufacturers and others interested in the production and marketing of new products, has been published by the Department of Commerce.

The booklet, entitled "A Source of New Product Possibilities for Manufacturers—A Partial Listing of Patents Available for Food Machinery, Equipment, Devices, Products and Processes," was prepared by the marketing division of the Office of Domestic Commerce, with the cooperation of the Patent Office. It is available from the Department of Commerce, Washington 25, D. C. or from department field offices at 25 cents a copy.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Zinc Chromate
Strontium Chromate
Toluidine Reds
Para Reds, Iron Blues
Cadmium Colors
Maroons
Lake Colors
Zinc and Aluminum Stearate
"Kentucky Color" also distills:
No. 2-D Shingle Stain Oil
Dirty Solvent Recovered
KENTUCKY COLOR & CHEMICAL CO., INC.
General Office and Works:
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities

Guaranteed To Save Time and Labor

Clamp tightly on drum under faucet. Tip drum so that legs touch floor. Wheels on floor—ready for dispensing.
A One Man Show!
GET NEW DELUXE DRUM-O-LATOR FOR EASY ONE-MAN HANDLING OF FULL DRUM
Practical, operation proven, De luxe DRUM-O-LATOR provides safe, sturdy, convenient Stand for liquid dispensing. All metal, easily assembled, rolls out of the way when not in use.
$6.71
Introductory Offer (limited time only) F.O.B. Cin., Ohio
Regular Price $8.95
ORDER DIRECT FROM
GEORGE D. MEYER CO.
MARIEMONT
CINCINNATI 27, OHIO

Oils, Fats and Waxes

Weakness in animal fats dominated the oils and fats market and caused the major portion of price declines last week, while vegetable oils remained generally steady and cottonseed and peanut oils were fractionally higher. Price index declined to 175.7 compared with 192.4, a month ago and 237.2, at this time last year.

Further easiness in grease and tallow weakened the market fractionally, and brought prices to the low point of this year. Soapmakers purchased moderate quantities at the decline. This condition was reflected in other animal fats and the price trend was downward. Grease and tallow oils were cut ¾ cents to 3½ cents per pound, as to grade. Fatty acids also were affected. Red oil declined 1 cent per pound and stearic acid 2 cents. Coconut fatty acid was reduced 3 to 4 cents, as to quality, cottonseed fatty acid, 1½ cents, soybean fatty acid, 1 cent and tallow fatty acid, ½ cent.

Consuming inquiry for vegetable oils was slow. Soybean oil was off fractionally for prompt shipment while futures were unchanged. Cottonseed oil was stronger under an active demand and sales of good volume took place at an increase of ½ cent per pound. Crude peanut oil was in scarce supply and an occasional tankcar was moved at ½ cent higher.

Demand for drying oils was quiet, which is usual at this season. Castor dehydrated and linseed oils were without change, while tung oil was unsettled and fractionally lower.

Cottonseed Oil

Trading in bleachable cottonseed oil slackened considerably, reflecting the usual holiday dullness. Selling pressure was not active and the market displayed a steady tone. Price fluctuations were narrow and slightly higher with the stronger tone in crude oil. Final tenders on December oil totaled 212 contracts, the largest in some time.

Inquiry for crude oil was quite active and sales totaling more than 100 tankcars were reported at 17c. per pound, in the Valley, and Southeast, an advance of ½c. for the week. The bulk of trading was reported for March delivery. Offers were pegged at 17c. Southeast and Valley, and 16¾c. Texas.

Shipments of shortening totaled 4,685,006 pounds for the week ended December 18, it was reported by the Institute of Shortening and Edible Oils.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended December 30 follow:—

	Sales	Cents per pound High	Low	Close
January	7	19.68	19.55	19.05@19.60
March	382	19.08	19.25	19.27@19.30
May	185	19.65	19.05	19.05S
July	52	19.35	18.95	18.87@18.91
September	..	....	....	17.45@17.70
October	1	17.00	17.00	16.70@17.00
December	..	....	....	16.25@17.00

Total sales—627 tankcars.

Linseed Oil

There was little doing in this market last week, which is usual at this season. Quotations were unchanged and steady. Raw oil was generally quoted at 27.8c. per pound, tankcars for January-June delivery, with light trading reported at 2 points less. Oil in drums was well held at the current schedule. Other drying oils also were inactive. Dehydrated castor remained steady at the recent fractional price advance, while tung oil was unsettled and off ¼c. per pound.

Minneapolis.—Oil buyers displayed extreme caution on purchases and made little or no attempt to set up purchases for after the turn of the year. All seem to be interested in keeping inventories down to the lowest possible point and even shipping instructions fell off during the week. CCC is taking large chunks of oil from local crushers who are producing meal for the immedjate use of consumers and turning the oil over to the government under the contract.

With the government acquiring large lots of oil from week to week the private trade shows little interest in trying to build up stocks. Some feel that the price situation is unsteady because of the larger oil accumulations and back in their minds there is the feel that maybe the price will not be as high later in the season. The government may, if it wishes, sell commodities below parity levels after the turn of the New Year and this poses a problem that will only be answered by future government activity.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	4,680,000	4,980,000
Since Sept. 1	69,038,000	119,720,000

Flaxseed—Trading was light. Market steady at $6 per bushel.

Minneapolis.—Flax trade was dull and listless. Crushers continued to take limited spot and to arrive offerings at $6 a bushel in the local cash market. There was, however, some reticence on the part of a few of the crushers who have stocks of seed well in hand for the first quarter of 1949 and are not interested in adding to their stocks. Apprehension over the future of the flaxseed, oil and meal markets was a little more general, many in the trade feeling that the next few months will be uncertain ones. The new crop of flax will be coming to market in April-May and June with a support price anticipated between $4.10 to $4.25 and this will compare with a $6 support price on old flaxseed. No one wants to own seed or any of its products at the time the market slides $2 per bushel and for this reason the trade is staying on the light side of supplies, endeavoring to get on a strict hand to mouth basis.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	1947-48	Shipments 1948-49	1947-48
This week	261,800	232,900	137,700	1,700
Since Sept. 1	24,352,800	15,801,200	4,398,640	2,201,800

Other Vegetable Oils

Castor, Dehydrated—Market remained steady at the recent advance of ½c. per pound. Inquiry was fair for prompt delivery.

Coconut—Trading was inactive. Quotations were unchanged and steady. Crude oil was quoted at 19c. per pound, tankcars, f.o.b. Pacific coast for first half January shipment, with bids ½c. less. February-March at 18c., same basis. Imports of Philippine coconut oil totaled 77,731,510 pounds from January 1 to December 4, 1948 inclusive, according to the Bureau of Customs.

Copra — This market was lower, with trading reported at $250 per short ton, c.i.f. Pacific coast for January-February shipment. PMA reported copra purchases totaling 9,000 long tons at $250 and $255 per long ton, f.o.b. Philippine ports, December 9-12.

Corn—Light sales of crude oil took place at 17c. per pound, tankcars, f.o.b. mills, January-February shipment. Refined oil was quiet and nominal at 21c., same basis. Drums were nominal 25c. New York delivery.

Oiticica—Inquiry continued slow. Quotations were unchanged and nominal at 18c. per pound, drums, carlots and 18½c. for smaller lots.

Olive—Limited stocks on the spot were well held at current prices. Demand was slow. Spanish oil was quoted at $4.50 to $4.75 per gallon, drums, duty paid and Moroccan, $4.10 to $4.15, same basis. Offers for shipment were light and firmly maintained.

Ankara (Comtelburo).—Due to Turkey's export quota of 5,000 tons of olive oil having been filled, the Ministry of Commerce decided to authorize the export of a further 5,000 ton quota. The Ministry also fixed a quota totalling 5,000 tons in respect of sesame, sunflower, poppyseed and cottonseed oils.

Olive Foots—Firm market for replacements created a steadier tone locally. Consuming inquiry was quiet. Tankcars were quoted at 22c. and drums at 23c. to 23½c. per pound, as to quantity.

Peanut — This market was steadier. Crude oil was sold at 18c. per pound, tankcars, f.o.b. mills, up ½c. Best bids were ½c. less. Refined oil was nominal at 22c. per pound, tankcars, New York delivery. Peanut production for 1948 was

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cottonseed oil, crude, ½c. per lb.
Peanut oil, crude, ½c. per lb.

Prices Reduced

Coconut fatty acid, 3c. to 4c. per lb.
Copra, $2.50 per ton.
Cottonseed fatty acid, 1½. per lb.
Greases, ¼c. per lb.
oil, ¾c. to 3½c. per lb.
Oleo oil, 2c. per lb.
stearine, 1c. per lb.
Red oil, 1c. per lb.
Soybean fatty acid, 1c. per lb.
oil, ¼c. per lb.
Stearic acid, 2c. per lb.
Tallow, ¼c. per lb.
fatty acid, ½c. per lb.
oil, ¾c. per lb.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
173.9	178.6	192.4	237.2

(*For Current Prices see Page 9*)

STEARIC ACID
OLEIC ACID
(RED OIL)
DISTILLED
FATTY ACIDS
ANIMAL AND VEGETABLE
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.
WILSON & CO. INC

TALLOW FATTY ACIDS GLYCERINE STEARIC ACID RED OIL WHITE OLEINE USP
STEARIC ACID
STEARIC ACID
DISTILLED
Triple, Double and Single Pressed
Available in Cake, Flake or Powder
Highest Quality
A. GROSS & CO.
295 MADISON AVE. NEW YORK 17, N. Y.
FACTORY NEWARK, N. J.

AMCON
AMORPHOUS WAXES (All Colors)
SPECIAL PETROLATUMS (All Colors)
USP PETROLATUMS (Snow White and Amber)
AMCON CORPORATION
29 BROADWAY NEW YORK 6, N. Y.

LECITHIN a NATURAL SURFACE ACTIVE AGENT for food & technical industries
LECITHIN HEADQUARTERS of AMERICA
Headquarters for the Standardized Soybean Lecithin sold under the renowned YELKIN trademark.
Backed by an organization preeminent for its "know how" of Lecithin and its uses. Why not let our Service Department assist you.
ROSS & ROWE, INC.
50 BROADWAY NEW YORK 4, N. Y.
WRIGLEY BLDG. CHICAGO 11, ILL.

W.C. HARDESTY CO.
41 EAST 42nd STREET • NEW YORK 17, N.Y.
RED OIL STEARIC ACID
Saponified — Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids
Tallow Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acid
GLYCERINE
PITCH
WHITE OLEINE
FACTORIES: DOVER, OHIO · LOS ANGELES, CALIF. · TORONTO, CANADA

ARTHUR C. TRASK CO.
Established 1924
4103 S. LaSalle Street Chicago 9, Illinois
LATOL
(Tall Oils)
Crude — Refined
Esterified — Fractionated
ASK TRASK TRADE MARK
ARTHUR C. TRASK & SONS CORP.
41 Tremont St. Boston 8, Mass.

AKUSAKA WAX
replacement for Japan Wax
CORUMBU WAX
replacement for Carnauba Wax
T. G. COOPER & COMPANY, INC.
2400 East Venango St. Philadelphia 34, Pa.

IF YOU USE . . .
CARNAUBA WAX or
CANDELILLA WAX
THEN INVESTIGATE . . .
CONCORD #159
COMPARE SPECIFICATIONS!
Physically and chemically, refined Concord Wax No. 159 compares favorably with refined Carnauba Wax and is vastly superior to Candelilla for most purposes. Melting Point, 84°C. Concord No. 159 makes a durable, waterproof water emulsion wax with a high gloss finish.
COMPARE COSTS!
You will find there are substantial savings when you use Concord No. 159 as a replacement for Carnauba Wax or Candelilla Wax. Get our quotation and discover for yourself!
Concord #159 is worth investigating
Write today for sample. No obligation.
CRESYLIC ACID
JAPAN WAX REPLACEMENT
CARNAUBA WAX REPLACEMENT
FATTY ACIDS - DISTILLED
CANDELILLA WAX REFINED TALL OIL
CONCORD CHEMICAL COMPANY
PUBLIC LEDGER BUILDING
INDEPENDENCE SQUARE
PHILADELPHIA 6, PA. • WAlnut 2-5110

placed at 2,268,110,000 pounds, against 2,182,000,000 pounds in 1947 and 1937-46 average of 1,750,718,000 pounds by the Department of Agriculture.

Soybean—Business was light and spotty. Crude oil was lower for prompt shipment and off ¼c. per pound, while futures were unchanged and steady. Early January was sold at 16¼c. per pound, tankcars, f.o.b. mills. Also for January-March shipment. At the close January was offered at 16¼c., March 16c., and April-June 15¾c. Refined oil was quiet and nominal at 19¾c., tankcars, New York delivery.

Prices of refined bleachable soybean oil, in tankcars, on the N. Y. Produce Exchange for the week ended December 30 follow:—

	Sales	Cents per pound High	Low	Close
January	..	....	....	17.50B
March	..	....	....	17.25@18.25
May	..	....	....	17.25@18.50
July	..	....	....	16.75@17.75
September	..	....	....	16.75@17.75
October	..	....	....	15.00B
December	..	....	....	15.00B

Total sales—None.

Tung—Buying interest was slow and the market was more or less nominal. Tankcars were quoted at 21¾c. per pound, New York basis, with light sales reported thereat. Drums ranged from 23¼c. to 23¾c. per pound, depending upon quantity.

Fats and Greases

Greases—Trading was light at lower quotations. Market continued unsettled and prices were reduced ¼c. per pound for all grades. Sales of yellow grease were reported at 9c. per pound, loose, for soapmakers account. Other grades were lower and nominal. Choice white, 10½c. per pound, and house 8¼c., loose.

Lard—Consuming inquiry was slow and the market was unsettled and narrow.

Tallow — Further weakness developed and prices were off ¼c. per pound. Trading was moderate at the decline, with soapmakers taking fancy at 11c. per pound, the lowest price for the year, compared with the high of 27c. during January, 1947. Extra was sold at 10¾c. and special was nominal at 10c.

Animal Oils

Degras—Common was reported in limited supply and well held. Neutral grades were without change.

Grease Oils—Lower cost of grease and tallow resulted in lower prices, declines ranging from ¾c. to 3c. per pound, depending upon grade. Demand was quiet, No. 1 was quoted at 16¼c. to 18c. per pound, drums according to quantity, extra winter strained, 17½c. to 19c. and prime burning, 18¾c. to 20¾c.

Oleo Oil — Business was slow. Extra was easier and nominal at 20c. per pound, tierces, New York basis.

Oleo Stearine—Inquiry was dull. Quotations were nominal at 15c. per pound, barrels, New York delivery.

Tallow Oil—Acidless was easier and reduced to 16¼c. to 18!c. per pound, drums, as to quantity.

Fish Oils

Crude Fish Oils—This market was more or less nominal. Inquiry was slow. Sardine oil was quoted nominally at 14c. per pound, loose, f.o.b. Pacific coast and menhaden at the same figure, Atlantic coast.

Refined Fish Oils—Trading was quiet. Quotations were unchanged for all grades.

Los Angeles—Very limited offerings were reported. Price of sardine oil was steady at 14c. per pound. However, the market was fairly quiet. U. S. Fish and Wildlife Service reported 129,265 tons were landed through December 24, compared with 91,965 tons for the same period last season.

Fatty Acids

Coconut Fatty Acid—Market was easier and declined 3c. to 4c. per pound, according to grade. Drums were quoted at 29¼c. to 31¼c. per pound, carlots, as to grade. Lesser quantities commanding premiums up to 1c. per pound.

Cottonseed Fatty Acid—Prices were reduced 1½c. per pound. Tankcars were quoted at 11¾c. per pound, and drums ranged from 13c. to 14c. per pound, depending upon quantity.

Red Oil — Lower cost of tallow and grease resulted in a decline of 1c. per pound. Demand was fairly active for prompt delivery. Single distilled was quoted at 16½c. per pound, tankcars and 17¾c. to 18¾c. drums, as to quantity; double 19c., tankcars and 20¼c. to 21¼c. drums.

Stearic Acid — Quotations declined 2c. per pound last week, reflecting the lower cost of tallow and grease. Single pressed was quoted at 22c. to 23c. per pound, bags, as to quantity; double 22½c. to 23½c. and triple, 24¾c. to 25¾c., same basis.

Tallow Fatty Acid—Reductions of ½c. per pound were noted last week. Drums ranged from 15¾c. to 16¾c. per pound, as to quantity and tankcars 14½c.

Cake and Meal

Cottonseed Meal—Board option prices, particularly December and January, were marked up $4 and higher from the low last week because of a squeeze in the December position. Actual trading for spot and deferred shipment continued light. Loose slab cake 41 percent was offered at $60 per ton f.o.b. Valley and Alabama mills, January shipment. Small lots sacked 41 percent meal traded in Georgia at $63 and $64 and $65 per ton North Carolina for January shipment. There should be ample supplies available from now on because most farmers and ginners about have all the meal they need for this season.

Linseed Meal—Consuming inquiry was active for prompt delivery. Supplies continued light.

Minneapolis.—There was a brisk demand for spot and nearby meal with light supplies moving well in consuming channels and prices holding steady at $79 per ton for spot shipment and quoted at $76 per ton for all January. Demand for deferred meal not quite as brisk

Wm. Diehl & Co.
CARNAUBA and
CANDELILLA
High M. P. Substitute
JAPAN WAX
SHELLAC Orange Bleached
332 W. 42nd St., New York 18, N. Y.
Phone: BRyant 9-5211

E. A. BROMUND COMPANY
—o—
Beeswax
Carnauba Wax
Ceresine Wax
Ouricury Wax
—o—
258 BROADWAY, New York 7, N. Y.
Barclay 7-844 Est. 1880

VEGETABLE
AND ANIMAL
OILS
• WAXES •
T. F. GOWDY CO.
2 BROADWAY, N. Y. C. 4
WH. 4-1887-8-9

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL
Export Codes: ABC 5th, BENTLEY'S
JUNIOR PEERLESS
Cable Address: BRODE
Phone: L.D. 271
THE BRODE CORPORATION
P.O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

BEESWAX
U.S.P. YELLOW REFINED
U.S.P. WHITE SUNBLEACHED
THE F. B. KOSTER
WAX REFINING CO.
GUILFORD Phone 999 CONN.

and while sellers were not anxious there was a growing feeling of uncertainty.

Shipments of linseed meal in pounds, were as follows:—

	1948-49	1947-48
This week	9,600,000	8,520,000
Since Sept. 1	211,080,000	184,420,000

Peanut Meal—Total peanut meal production through November was 22,000 tons compared to 11,000 tons last year. November production totaled 14,000 tons, compared to 6,500 tons a year ago. Stocks on hand at mills November 30 were 2,800 tons against 1,500 tons last year. Production is almost at standstill and nothing in the immediate picture indicates when CCC will release any appreciable tonnage for crushing. Scattered cars of sacked 41 percent meal was sold at $63 and 40 percent $68.

Waxes

Beeswax—Business was inactive. Firmness in crude for shipment was reflected locally and the market was steady at current quotations.

Candelila—Market was more or less nominal in view of liberal offerings and light consuming inquiry. Quotations were unchanged and it was stated could have been shaded for roundlot quantities.

Carnauba—Buying interest was slow for spot and forward delivery. Prices were unchanged for all grades and were merely nominal. Brazil's exports of carnauba wax in the second quarter of 1948 totaled 2,051 metric tons, valued at $2,826,600, according to the Ministry of Finance. The United States took 76 percent, or 1,567 tons, worth $2,137,000. Exports in the first 6 months of 1948 totaled 4,464 tons, valued at $6,819,550; the United States purchased 3,606 tons, worth $5,423,100.

Ouricury — This market remained steady, and reflected the limited offerings for shipment. Stocks on the spot were reported light and were well held at current quotations.

Buffalo Solvents Named Agent for General Mills

Buffalo Solvents & Chemicals Company, Buffalo, N. Y., has been appointed sales representative for the chemical division of General Mills, Inc., in the counties of Erie, Niagara, and Genesse, N. Y. Buffalo Solvents & Chemicals Company will handle the company's complete line of vegetable, animal, and marine fats and oils as well as all organic chemical derivatives for the technical trade.

Linseed Oil Statistics Reported by Flax Institute

Linseed oil statistics for the third quarter of 1948 have been reported by the Flax Institute of the United States. The report is computed entirely in pounds in accordance with reports received by the institute from the paint and varnish industry that pounds, instead of gallons, would be more compatible with other figures used by the industry. The figures are as follows:—

JULY-SEPTEMBER

Stocks, June 30	137,132,000
Production	220,863,000
Imports	587,000
Total	358,582,000
Less stocks Sept. 30	177,488,000
Consumption	181,094,000
(Increase—21.34 percent over 1947)	
Exports	6,310,000

Edible Oil Institute Elects Alonge President

The Edible Oil Institute elected Albert Alonge, of the Compagnola Packing Company, president at its first meeting, held recently in New York. Other officers chosen by the newly formed organization are:—Vice-president, Anthony Costello, Costello Oil Company; treasurer, Anthony Rinalke, Bella Donna Packing Corporation; secretary, Benny Di Carlo, Benny Di Carlo Importing Company, and general counsel and executive director, Arthur D. Herrick. The group has established headquarters at 39 Broadway, New York.

Trade Briefs

Soap imported into Italy during May of this year totaled 205 metric tons. Total imports for the January-May period were 690 metric tons.

Miss Helen Golby has resigned as head of advertising for Elizabeth Arden after eleven months in the post. Miss Golby was for eight years advertising and promotion director for Revlon Products Corporation.

GEORGE A. MIEL CO., INC.
Custom Wax Blending
Drumming Bleaching **WAXES** Barrelling Refining
238 Wilson Ave., Newark 5, N. J. Mitchell 2-0213

AHCO PRODUCTS

Stearic Acid
TRIPLE-PRESSED SAPONIFIED IN SPRAY OR SLAB FORM

Glycerine
88% SAPONIFICATION CRUDE

Red Oil
SAPONIFIED — LOW TITRE

Harkness & Cowing Division, Cincinnati, Ohio

ARNOLD-HOFFMAN & CO., INCORPORATED
Manufacturing Chemists
PROVIDENCE, R. I.
Established in 1815 • Plants at Dighton, Mass., Charlotte, N. C., and Cincinnati, O.
NEW YORK • BOSTON • PHILADELPHIA • CHARLOTTE • CINCINNATI

AVAILABLE IN CAR LOAD LOTS
LAURIC ACID
MYRISTIC ACID

IN LIMITED QUANTITIES
CAPRYLIC ACID
CAPRIC ACID

ALL 90% or BETTER in PURITY

In addition to our regular stocks of crude and semi-refined coconut oils in drum and tank car lots we now offer these coconut oil fatty acids.

El Dorado is the nation's oldest and largest producer of coconut oils for industry. All El Dorado products are proudly offered and backed by over half a century of experience and research.

EL DORADO OIL WORKS
311 CALIFORNIA STREET, SAN FRANCISCO, CALIF.

FMC

TURN TO PAGES 28A and 28B for Illustrated Bulletin

Latest FMC OFFERINGS

FEATURES

2—A.T.&M. Centrifugal Extractors with MONEL contact parts; 30" basket; under-driven.

3—Brand New Stokes No. 200D Molding Presses, complete.

2—Colton No. 9 A T Bushing Presses with 5 H.P. motors.

1—Oliver Dorrco Rotary Filter 6' x 3' with nickel contact parts.

3—Karl Kiefer Rotary Vacuum Fillers.

1—Pfaudler 2500 Gal. Glass-Lined Vacuum Pan with Stainless Coil, Jet Condenser, 40 H.P.

1—Aluminum 1300 Gal. Jacketed and Agitated Still.

1—Stainless 550 Gal. Jacketed Agitated Reactor with Reflux and Tubular Condenser.

1—Readco Stainless Double Arm Mixer, 142 Gal. with 20 H.P. motor.

1—Buflovak Nickel Rotary Vacuum Dryer, 5' x 30'.

1—Dopplop 700 Gal. Jacketed and Agitated Pressure Kettle.

3—Lancaster Model EBG4 Stainless Counter Current Mixers.

4—Mikro Pulverizers, Bantam to No. 4's with motors.

2—Struthers Wells Stainless Atmospheric Drum Dryers, 5' x 4' and 5' x 10'.

1—Patterson Buhrstone Lined Pebble Mill, 6' x 5'.

●

Nobody BUT Nobody Pays MORE for Your Surplus Equipment

FIRST MACHINERY CORP.
157 Hudson Street,
New York 13, N. Y.

MACHINERY OFFERINGS

SPECIAL LIQUIDATION

Machinery and Equipment of the Coated Fabrics Division, from the Atlas Powder Company plant at Stamford, Conn.

Your opportunity to buy very fine, modern equipment, right off the foundations.

See our representatives, at the plant, foot of Canal Street, Stamford, Conn., phone Stamford 3-2171, or write to Consolidated Products Co., P.O. Box 1115, Stamford, Conn.

Here are some of the principal items of interest to Paint and Lacquer manufacturers:

MIXERS & COTTON CUTTERS

6—325 gal., Steel Simplex Turbo Mixers, with bolted on covers, each with Turbo Mixer Drive 48, Falk Motoreducer Ratio 6-1, and Louis Allis 15 HP 3/60/220-440 1760 RPM Explosion proof motor and starters.

3—950 gal. Steel Simplex Turbo Mixers, welded on dished covers. Each with Turbo Mixer Drive 58, Falk Motoreducer, Ratio 7-1, and L. A. 30 HP 3/60/220-440, 1750 RPM Explosion proof motor and starters.

4—Alsop Hyspeed back geared Portable Agitators, ½ HP, 3/60/220-440, back geared 438 RPM—2 Steel Propellers, 48" shaft, explosion proof motors.

1—Baker Perkins 100 gal. working cap., jack., double geared, sigma blade, power tilting, motor driven, 40 HP GE 3/60/440.

2—J. H. Day 20 gal. Brighton Mixers, tight and loose pulley.

2—J. H. Day 40 gal. Change Can Mixers, tight and loose pulley.

1—Ross 50 gal. Mammouth Change Can Mixer, tight and loose pulley.

TANKS

2—Stainless steel, agitated, each 350 gallons cap., belt driven propellor agitators.

30—Vert. and horiz., riveted and welded, from 2,000 gals. to 12,000 gals.

7—Blue enamel, 30" x 36", 100 gal. ea. Bolted-on dished covers with 14" manhole, 3" bottom outlet, leg supports. One with enameled paddle agitator, belt driven.

PUMPS

Viking Gear Pumps—All iron with safety valves. All directly connected to Explosion proof Motors 3/60/220-440. Ranging from 1½" with 3 HP to 4" with 20 HP Motors.

SCALES

Approximately 30 Toledo Dial Scales, Portable, Bench and Floor type, range 500-3000 lbs.

PEBBLE MILLS & GRINDERS

14—P. O. Abbe 36" x 42" Burrstone and porcelain lined, tight and loose pulley drive, liquid discharge gate.
3—Colloid Mills, each directly connected to 2—Terry 10 HP 5000 RPM Steam Turbines.
1—No. 2 Ball & Jewell Rotary Cutter, direct connected to 40 HP motor.

RUBBER & PLASTICS COMPOUNDING

1—24" x 66"—3 roll Calendar, herringbone gears throughout, with reduction drive, Variable Speed Motor, Controls and all accessories.
1—22" x 20" x 60" Erie Mill, installed new, 1948, with Reduction Drive, 125 HP Synchronous Motor & Controls.
1—Line of 2—22" x 20" x 60" Mills with reduction drive, motor and controls.
1—Line of 4—20" x 48" Mills with reduction drive, motor and controls.
1—18" x 48" Farrell Mill with reduction drive, motor and controls.
1—No. 3 Banbury Mixer, with motor and controls.
1—100 gallon Baker Perkins jacketed double arm Mixer, heavy duty, with drive and 40 HP Motor.

SOME OF THE PRINCIPAL ITEMS AT OUR NEWARK SHOPS

DRYERS

6 x 50 Louisville Rotary Steam Tube.
6 x 23 Hersey Rotary Hot Air.
3'6" x 28' Direct Heat Rotary.
5' x 33' Rotary Vacuum.
32" x 72" Buffalo Double Drum Atmospheric.
28" x 60" B&C Double Drum Atmospheric.
Buffalo Vacuum and J. P. Devine Vacuum Shelf, 40 x 42, 5, 6, 9 shelves.

CRUSHING & GRINDING, PULVERIZING

1—Raymond 5-roll High Side, complete with Motor accessories.
2—Raymond No. 000 Pulverizers.
1—Raymond No. 0000 Pulverizers.
1—Size B—Erie City Motor Driven Coal Pulverizer.
1—Raymond 4-roll High Side.
1—Jeffrey 24 x 20, type B, Hammer Mill.
1—Williams 2XX Roller Bearing Hammer Mill.
1—Micro 4TH 24".
1—JB No. 2 Hammer Mill.

KETTLES

3—5,500 gallon Steel Copper Coils, Closed, Agitated.
1—2,000 gal. Steel Jacketed, open top, Agitated.
4—1,200 gal. Steel Lead, coils, lead lined, Closed.
1—1,200 gal. Aluminum, Jacketed, Closed.
1—750 gal. Aluminum, Jacketed, Closed, Agitated.
1—700 gal. Steel Jacketed, open top, non-Agitated.
1—550 gal. Steel Jacketed, open top, non-Agitated.
1—500 gal. Aluminum, Jacketed, Closed, Agitated.
1—500 gal. Stainless Steel, Jacketed, Closed, Agitated.
2—500 gal. Stainless Steel Unjack. Closed Agitated.
1—200 gallon Steel Jacketed, open top, Agitated.

CENTRIFUGALS

1—60" Tolhurst Copper Basket, belt-driven, center slung.
2—48" Troy Steel Basket V-Belt Motor Drive.
5—42" American Tool stainless steel, Direct Motor Driven.
8—40" American Tool, Copper Basket, belt driven, in Battery, with Mixer.

FILTERS

1—No. 12 Sweetland, 4" centers, iron or copper leaves.
1—No. 10 Sweetland, 2" centers, iron or copper leaves.
1—No. 5 Sweetland 2" centers, copper leaves.
1—8 x 12 Oliver Acid Proof.
2—8 x 12 Oliver all steel.
3—8 x 10 Oliver wood stave.
3—36" Sperry 60 plate cast iron, Recessed, center feed, open delivery, hydraulic closing.
4—30" Sperry Skeletons—gear closing.

MIXERS

2—Baker Perkins, Size 17, Jacketed, 200 gallon.
1—W & P, Size 16, Unjacketed, 150 gallon.
8—Baker Perkins, Size 15, Jacketed, 100 gallon.
1—W & P, Size 14, Unjacketed, 50 gallon.
1—W & P, Size 12—Jacketed, 20 gallon.
1—3,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. J. H. Day Dry Powder, Motor Driven.
1—1,000 lb. Stedman Drum Mixer, Motor Driven.

ACID PROOF OLIVER FILTER

8' dia. x 12' face Oliver Rotary Continuous Vacuum Filter, lead valve, lead covered drum heads, rubber covered oscillating agitator, lead lined trough, etc. For immediate shipment.

ONLY A PARTIAL LIST—ALL ITEMS LISTED ABOVE ARE AT NEWARK

3-APRON DRYER

1—Proctor & Schwartz Soap Chip Dryer, 5-Section with late 2-roll 4' dia. Cooling rolls, 72" apron.
Part of Liquidation of Soap Plant at Newark, N. J.
Send for Printed Circular

Liquidating **WAVERLY SUGAR CO.**, consisting of Filter Presses, Cast Iron 10' dia. Quad. Effect Evaporator, Kettles, Pumps, Hammer Mills, etc.
Send for Printed Circular
CONSOLIDATED PRODUCTS CO., INC.
P. O. Box 299 Waverly, Iowa

THE KEY TO SAVING TIME AND MONEY
CONSOLIDATED PRODUCTS COMPANY, INC.
13-18 PARK ROW, NEW YORK 7, N. Y.—TEL. BArclay 7-0600
Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N. Y.

WANTED—YOUR IDLE MACHINES—SEND LIST NOW

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Abbe 6' x 12' Porcelain lined Pebble Mill.

1—Allis Chalmers buhrstone-lined Ball Mill, 5'8" x 18'.

1—Pfaudler 300 gallon jacketed Kettle, Series L.

1—Stokes jacketed vacuum Mixer, 14" x 12".

1—Struthers Wells jacketed Kettle, 60 gallons.

2—J. H. Day Mogal Kneading & Mixing Machines. Type MDB, Size 5.

1—J. H. Day 2,000-lb. Mixer.

1—Kent jacketed Powder Mixer, 800 lb.

R. GELB & SONS, INC.
UNION, N. J.
Est. 1886 UNionville 2-4900

2—Dopp 1,000 gal. Jack. Agit. Kettles, Doppley Acid Resistant & Iron
1—Baker Perkins 200 gal. Double arm Jack. Mixer.
1—Lehman 4 Roll W.C. 12" x 36" Steel Mill 20 H.P. Motor.
3—Hardinge Conical Ball Mills, 4½' x 24" & 3' x 8".
4—Allbright-Nell 4' x 9' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers, Cookers & Dryers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Badger 42" dia. Monel Bubble Cap Column.
1—Buffalo Vac. Drum Dryer 24"x20".
1—Devine Vac. Shelf Dryer, 9—40"x 42" steam shelves, 6" spacings.
4—Pebble Mills, 6' x 6', 60" x 48", 30" x 33" & 24" x 36".
2—Sperry 18" sq. Lead Filter Presses.
1—Shriver 30" sq. Plate & Frame Iron Filter Press; also 24" Recessed.
15—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
4—Shriver & Independ. Pl. & Fr. Wood Filter Presses, 18" x 24" sq.
Extra 36" Iron Sperry Plates & Frames.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Sturtevant No. O Hammer Mill.
1—Orville Simpson 26" x 46" 2-deck Rotex Sifter & 36" x 80" Single.
2—Abbe No. 18 Blutergess Sifters.
6—Tyler 2S Jr. Hummer Screens, 24" x 60" & 26" x 56" Split Screen.
1—Robinson No. 18 Saw Tooth steel Crusher.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge. Also 26" Rubber-Lined.
5—Lehman & Kent 3-Roll Steel Mills, 3" x 9", 9" x 32", 12" x 36", 16" x 40".
2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia. Also ⅝", 1", 1¼", also single punch.
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
2—Jones Type E, A & K automatic Sopp Presses.
1—Huber 25 ton Para Block Press.
2—Houchin 18" x 39" 4-Roll Granite Stone Mills.
11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
2—Manton Gaulin Stainless Steel Homogenizers, type 200 & 300.
Devine 800 & 1,000 gal. closed steel Kettles & Stills.
1—250 gal. lead-lined Kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
1—Standard Knapp Can Labeler.
2—Burichard 28" & 30" Revolving Pans.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3" x 2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Sharples No. 6 Centrifuge.
1—Sameo Jr. Vac. Bottle Filler.
6—Pfaudler Glass-Lined Jack. Agit. Kettles, 350, 400, 500 gals.
25—Stainless Tanks, 50 to 3,000 gals.
1—Colton Hand Tube Filler.
6—Filling, Labeling, Cartoning & Wrapping Machines.
10—Stainless steel, jacketed Kettles, new & used, 30 to 500 gals.
12—Alum. Jack. Kettles, 30 to 100 gals.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated
15—Port. Elec. Mixers, ½-2 HP.
1—Lab. double steel Ball Mill.
8—Abbe Jar Mills, Lab. to 2 gal. sizes, Single, Double & up to 8 Jars.
1—Abbe 2 Jar Mill, 2 gal. Jars.
1—Abbe No. 0 Rotary Cutter 5 H.P.
1—Williams No. 3 Hammer Mill.
3—Jeffrey & Stedman Hammer Mills 12" x 9", 15" x 8" & 24" x 11".
1—Stedman 32" Single Roll Crusher.
4—Day Pot Mills, 24" x 32" dia.
6—Centrifugals 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills
4—Dopp Jack Kettles 10 to 50 gals.
1—Blystone 2,500 lb. horiz. Spiral & Paddles Steel Mixer.
6—Lead & Paste Mixers to 300 gals.
1—Faust 150 gal. Jack. Spiral Mixer
2—Worth, 12" x 12" x 12" Vac. Pumps.
2—DeLaval Multi. Clarifiers, 300 & 201.
1—Double Stand Steel 4-Roller Mill
Soap Machinery for Toilet, Laundry Chip, Liquid, etc.

Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
90 WEST ST., NEW YORK 6, N. Y.
WOrth 2-5745

MEC FOR SALE MEC

1—Stainless Steel Tank, 10' x 20'6", Vert. Type 316 Stainless, 12,000 gals.
1—Stokes 30" x 8' Rotary Vacuum Dryer.
3—Filter Presses 24", 30" and 36" Plate & Frame.
1—Oliver Vacuum Filter 5' 4" x 8' (New).
1—Stainless Steel Sus. Centrifuges, 18" Solid & Perforated Baskets.
9—Stainless Steel Condensers 150 sq. ft.
2—Pfaudler Jacketed Glass Lined Kettles 200 and 250 gals.
1—Glasscote Glass Lined 300 gallon Pressure Tank.
1—Pfaudler 1,500 gal. Closed Glass Lined Pressure Tank.
1—W&P Jack. Mixer 2 gal. M.D.
2—Abbe 6' x 8' Buhrstone Lined Pebble Mills.
4—Day & Ross 40 gallon Pony Mixers.
2—Vertical Heavy Duty 500 gal. Paint Mixers.
1—Nickel Coated Reactor 200 gallons.
2—Vacuum Shelf Dryers 18 and 20 Shelf.
6—Horiz. Spiral Mixers 600 lbs. to 3,500 lbs.

New Stainless Steel Tanks and Jacketed Kettles—All Capacities. We Buy Your Surplus. Send for Bulletin A-22.

THE MACHINERY & EQUIPMENT CORP.
533 WEST BROADWAY
New York 12, N. Y. GR 5-6680

FOR SALE

3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 Church Street New York 7, N. Y.
COrtlandt 7-2195

FOR SALE

AGITATORS—MIXERS

3—Heavy duty, double arm, jktd., tilting, 150 to 250 gal. wkg. cap.
1—Heavy duty, double arm, jktd., tilting, 200 gal. wkg. cap., stainless.
4—Single arm H.D. Paste, 50 to 500 lb.
9—Ribbon type Powder, 200 to 3,500 lb.
1—Day Ribbon Mixer, jktd., 170 gal.
11—Conical Blenders, 25 to 500 lb.
14—Side Entering, 6" to 18" dia. prop.
2—Vertical ½ HP 1750 RPM xpl.
40—Portable, ¼ HP to 1 HP.
1—Lancaster Intensive EMG—4, 59" encl. bed, stainless, 10 HP mot. & elev.
8—Jktd. Steel Mixing Tanks, to 2500 gal.

AUTOCLAVES

1—Aluminum, 100 gal., jktd. & agit.
1—Iron, 130 gal., jktd.

DRYERS

1—P & S Tray, 1,030 sq. ft.
2—Vac. Trays, 100 & 245 sq. ft.
3—Double Drum, atm., 22" x 38", 24" x 36".
1—Rotary Steam Tube, 5'6" x 30'.

FILTERS

1—Sweetland No. 10, C.I. body, on 2" centers, 53 bronze leaves.
1—Rotary Vac. 8' x 8', acid proof.
1—Rotary Vac. 8' x 6', stainless.
1—Rotary Vac. 6' x 3', steel.
3—P & F, Cast Iron, 24", 30", 42".
2—P & F, bronze, 30", 18".
2—P & F, wood, 30", 12".
1—Recessed Plate, C.I., 36".
7—Pot type, stainless, 1 & 3 sq. ft.
8—Pressure leaf type, to 250 sq. ft.

MILLS—PULVERIZERS

5—3-roll, 16" x 40", 12" x 32".
3—2-roll, 16" x 30", 8" x 10".
4—Colloid, U. S. & Premier, 6", 15".
3—Abbe Pebble 6' x 8', 36" x 12".
1—Hardinge Conical Ball, 4'6" x 24".
2—Hammer, Williams No. 1.
8—Attrition: Robinson 22"; Bauer 24"; Sprout Waldon 16", 20", 30".
4—Schutz O'Neill Puls., 16", 22", 28".

TANKS

45—Stainless, open top, 30 to 500 gal.
1—Stainless, rectang. open, 1,000 gal.
1—Stainless, horiz, 6,000 gal., agit. & jktd. & insul.
33—Pfaudler glass-lined, 7500 & 8250 gal.
16—Copper, 8,000 to 11,000 gal.
29—Aluminum, 100 and 150 gal.
19—Wood, 3,600 to 13,000 gal.

MISCELLANEOUS

2—DeLaval Centrifuges, No. 600.
4—Sharples Centrifuges, 16F, 18V.
4—Basket Centrifugals, 30", 40", 48".
20—Tubular Condensers to 3,800 sq. ft.
10—Stainless Kettles, 100 lb. jkt. press, 50, 100, 150, 200, 300, 500 gal.
30—Kettles, 40 lb. jkt. press, aluminum, copper, stainless clad, 30 to 105 gal.
8—Stokes 16 punch tablet presses.
8—Duriron Cent. Pumps, 90 GPM, 45'.
2—Vacuum Stills, 100 gal., jktd. & agit.
3—Water Stills, 30 & 250 GPH.
1—Aluminum Still, 175 gal., w/coils.
3—Stainless Gate Valves, 4".

Write for Complete Stock List

We Buy Surplus Equipment & Complete Plants

PERRY EQUIPMENT CORP.
1507 W. THOMPSON STREET • PHILA. 21, PA.
Cable Address: "PERI" Phone: STevenson 4-1515

Fine Outstanding Equipment
IMMEDIATE DELIVERY

2—Devine 10" x 41"—Vac. 16-shelf Dryers, complete with vac. pump & Condensers, still installed.
2—Sperry 36" x 36" Filter Presses, 4-eye C.I. washing type.
1—Abbe 55-gal. Ball Mill, 38" x 38". jktd., with charge of Balls.
2—Bullovak vac. double drum Dryer, 42" x 120".
1—Devine 6 x 8 Vacuum Pump.
1—New Watson-Stillman 16" x 16" Record Press in original crate.
5—Dry Powder Mixers, from 100 to 1,500 lbs.
2—Auto. Rezina Cappers, 28 mm.
1—Horax 18-spout s/s contact parts filler.
1—Glass-lined internal tube cooler, 25 gal. per hr., from 72° to 34° F.
1—Pfaudler 200-gal. glass-lined vac. Still-agitated.
2—2,500 gal. jktd. double arm Mixers, sigma bladed.
1—Lancaster s.s. 9 cu. ft. cap. Muller type Mixer.
2—Stokes DDS2 Tablet Presses.
2—New Pfaudler 150-gal. Crystallizers, agtd.

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. • NEW YORK, 13
WOrth 4-8130

PROCESS EQUIPMENT FOR SALE

3—NEW 65 gallon jacketed C. I. DOPP kettles with hinged covers.
1—J. H. Day "Hercules" 6 barrel heavy duty mixer.
1—J. H. Day "Imperial" 75 gallon—jacketed sigma blade tilting mixer.
1—Readco 100 gallon tilting jacketed heavy duty mixer.
4—24"x48" single ribbon and paddle dry powder mixers.
2—Sperry 24" C. I. one eye open delivery filter presses.
1—19½" dia. x 15" deep ⅝" thick stainless steel kettle with bolted cover. Capacity 16 gallons.
1—Western Bear Cat size 2A Shredder.
1—Gum crusher with 14"x14" hopper.
3—Lehmann 12"x30" five roller water cooled mills.
1—Lehmann 18"x48" five roller water cooled mill.
1—J. H. Day 16"x40" three roller water cooled mill.
1—Kent 12"x30" three roller water cooled mill.

Distributors for Crocker Wheeler Electric Motors and Generators.

Full line of pumps, tanks, kettles and mills of all kinds.

Ask for latest stock sheet "H".

EMSCO EQUIPMENT COMPANY
AFFILIATE OF EMIL A. SCHROTH
59 HYATT AVENUE, NEWARK 5, N. J.
PHONE MITCHELL 2-3536

Pebble Mills. 1 and 4 gal. Jar Mills
Roller and Frame Types.
50 gal. One Piece Porcelain Jar Mill
50 gal. porcelain lined.
180 gal. silex lined.
2-450 gal. silex lined.
Abbe Rotary Cutter, No. 2
2-Spencer Turbo Blowers 400 CFM. 16 oz. psi.
No. 0 Blutergess Sifter
26", 40", 48" Tolhurt Extractors.
1 and 3 Mikro Pulversizers
24" Filter Press, 3 Eye P. & F.

Send for Stock List

LAWLER COMPANY
Durham Ave. & L.V.R.R. Metuchen, N.J.

STEEL DRUMS

Special Offer!

RECONDITIONED, 55-GAL.
18 GAUGE, OPEN-HEAD DRUMS

$2.75 F. O. B. LINDEN, N. J.

TRUCKLOAD OR CARLOAD LOTS ONLY

NEWARK STEEL DRUM CO.
LINDEN, N. J.
C. J. Colville, Pres. LInden 2-4466

FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal. dished bottoms with stands.
20—Steam Jacketed Kettles, Stainless Steel & Aluminum, 30 to 250 gal.
50—Pumps (Steam & Electric) used & new.
1—36" Stainless Klein Filter & Slurry Feeder—new.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank 7' dia. x 10', No. 430 Chrome.
1—Bullovak Impregnating Tank 42" x 52" steam jacketed.
2—Flow-Master Kom-bi-nators.
2—New Ribbon Type Mixers, 8 & 24 cu. ft.
1—Steel Tanks, 100,000 gal. each.
1—Steel Tank, 67,500 gal.
Sterilizers 18 x 18 and 24 x 27 with clamp-down covers & safety valves.
1—Sperry Filter, 18 x 18—24 plate.
1—DeLaval Lab. Separator with ½ H.P. motor.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Clevon Can Filling Machines.

SPECIAL

Pumps—2 LeCourtney, 2250 gpm at 90' with 50 H. P. motors & starters —used one day—like new.

H. LOEB & SON 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

FOR SALE

Steel Storage Tanks

8—8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.

20—10,000 gallon, Coiled TANK CAR TANKS.

Available at Once!

IRON & STEEL PRODUCTS, INC.
"Founded 1930"
13454 S. Brainard Ave., Chicago 33, Ill.
"ANYTHING containing IRON or STEEL"

GET MORE FOR YOUR SURPLUS EQUIPMENT

List it with our bureau and Sell Directly to the next user.

50,000 Manufacturers Get Our Offerings Regularly

They need such units as FILTER PRESSES - EVAPORATORS STILLS - MIXERS - DRYERS or what have you to sell.

For Quicker Action and Better Price Send Full Details and YOUR Price to

EQUIPMENT FINDERS BUREAU
6 Hubert Street New York 13, N. Y.

BRILL Offers Dependable Equipment

12—2 Truck Atmospheric Steam Heated Ross Eng. Co. Truck Dryers, 500 sq. ft. drying surface.
5—Abbe 6'x8', 5'x4' porcelain-lined, jacketed Pebble Mills, motor driven.
1—Patterson 3'x4' jacketed, steel-lined Ball Mill.
20—Powder Mixers, 100 to 4,000 lbs.
2—3TH, 2TH Mikro Pulverizers.
2—Day Ro-Ball No. 81 Screetters, 40"x120". all stainless steel.
10—Stainless Kettles, 50 to 300 gals.
3—Pfaudler 60, 80, 150 gal. glass-lined jacketed, agitated Kettles.
1—Struthers Wells, 400 gal., closed, jacketed, agitated Kettle.
6—Dopp 250, 150 gal. jacketed Kettles.
2—Bullovak Vacuum Shelf Dryers, each with 20—42"x42" shelves.
1—J. P. Devine 3'x14' stainless steel clad Rotary Dryer with steam tubes.
3—J. H. Day 3-Roll water-cooled Roller Mills, 12"x32" and 16"x40", M.D.
8—J. H. Day 100 gal. Lead Mixers.
1—Baker Perkins 4½ gal. jacketed, vacuum Double Arm Mixer.
1—Baker Perkins 100 gal. stainless clad Double Arm Jacketed Mixer.
3—Sperry 42"x42" aluminum Plate and Frame Filter Presses, closed delivery.
2—Sharples No. 16 Vaporite Centrifuges, stainless steel bowls.
3—No. 6 Super Centrifuges.
3—S&S, Rodgers Powder Fillers.
30—Stokes Single Punch and Rotary Tablet Machines, D1D2, D4, BB, R, F, R.
20—Olivite Centrifugal Acid Pumps, 2".

2,000 Stock Items — Send Us Your Inquiries

BRILL EQUIPMENT COMPANY
225 West 34th Street, New York 1, N. Y.
Tel. BRyant 9-2040 Cable—BRISTEN

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication

AGENCIES OFFERED

Sales representatives wanted—Phenolic molding powders, general purpose and colors. Commission arrangement. Prompt deliveries. Steady source of supply. Synvar Corporation, Wilmington, Delaware.

EQUIPMENT OFFERED

Oil processing equipment available. Stills and tankage facilities complete with railroad siding; location New Jersey, thirty minutes from New York City. OPD 308.

MATERIALS OFFERED

Methyl bromide for sale—18,000 lbs. in 1-lb. cans available for immediate delivery, at a low price. Sabin Metal Corp., 40 Lispenard St., N. Y. 13, N. Y.—WAlker 5-6583.

MATERIALS WANTED

Wanted: Surplus chemicals such as boric acid USP, isopropyl alcohol, barium sulphate ACS, sodium bicarbonate USP etc. Send us list and prices of any surplus chemical you may have, packaged or bulk. OPD 296.

To manufacturers and jobbers. Are you overstocked? We require immediately large or small lots, many items chemicals, pharmaceuticals, solvents, aromatics, waxes; other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 301.

Will purchase your surplus chemicals, solvents, oils, waxes, etc. Highest prices paid. Our rating $500,000. OPD 302.

Propylene glycol:—Wish to purchase any quantity available. John Clarke Co., Inc., 135 Front Street, New York 5. WHitehall 3-6430.

Solvents—Large eastern solvent consumer solicits correspondence with sources for special or odd-lot solvents and blends; minimum units 500 gallons. For specifications and other details, write OPD 303.

PLANTS WANTED

Wanted — Complete plants, also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets, (3) machinery and equipment, whole or in part. Personnel retained where possible, strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

Wanted—Chemical plant, laboratory, or suitable building with or without equipment, about 5,000 sq. ft. in unrestricted New York Metropolitan area. Address OPD 304.

Wanted—Chemical plant, laboratory, or suitable building with or without equipment, about 5,000 sq. ft. in unrestricted New York Metropolitan area. Address OPD 295.

POSITIONS OPEN

Wanted: A Highly experienced paint man to serve outside country with large successful paint company. Salary attractive to right man. State full details. Information will be kept in strictest confidence. OPD 292.

Sales promotional correspondent, experienced in essential oils and aromatic chemicals, wanted by large well established manufacturer. State full details first letter including salary earned and expected. OPD 298.

Leading manufacturer in the color and chemical industry has opening for New England representative. Prefer man under forty with broad experience selling organic and inorganic colors with top-flight reputation and familiarity with New England trade. Write OPD 307 giving details regarding experience, desired income, and availability. All replies held in strictest confidence. Our personnel know of this opportunity.

POSITIONS WANTED

Purchasing agent: Extensive buying experience chemicals, related materials. Qualified for complete charge buying department of manufacturer, exporter, research laboratory. OPD 297.

Chemical sales: Chemical engineer will organize, advertise, sell, service and develop. New York office facilities. Business connections. Training and experience with world organizations. Coatings, finishes, plastics, component materials and organic chemicals. Top flight creative and business ability at fair compensation that the traffic will bear. OPD 305.

Organic research chemist with liking for statistics and economics. Market research. New uses for raw materials, manufactures, by-products. New products, new raw materials, etc. Would go abroad. Experienced, responsible. OPD 306.

Nitrogen 15 Compounds Announced by Eastman

Nitrogen 15 in the form of either nitric acid or potassium nitrate has been made available by the Eastman Kodak Company, Rochester, N. Y. The company has been supplying N 15 in the form of ammonium salts and as potassium phthalamide in concentrations up to 60 atom percent N 15. The ammonium nitrate has N 15 only in the ammonium radical, not in the nitrate.

Dr. Cyril J. Staud, director of Kodak Research Laboratories, said that for much research in agricultural chemistry scientists desire to follow the course of nitrate, in plants, it being one of the chief forms of fertilizer nitrogen. Some research workers, she said, have prepared nitrates from Kodak ammonia, usually by biological oxidation, but in general the process has been time-consuming.

The compounds now available, Dr. Staud pointed out, will reduce the number of steps involved. They may prove useful also in study of explosives and in the synthesis of organic nitro compounds and derivatives. He said the nitric acid will be supplied as an aqueous solution containing at least two moles of HNO_3 per liter. The potassium nitrate will be sold as a dry solid. Inquiries may be directed to the company's organic chemical sales division.

Miss. Chemical Plans New Nitrogen Project

The Girdler Corporation, Louisville, Ky., has been selected by the Mississippi Chemical Corporation, Jackson, Miss., to conduct a detailed engineering survey as a basis for an early beginning of construction on a large Mississippi nitrogen project. The survey will serve as a basis of determining the size and scope of the project; location of the plant; and provide cost estimated for use in securing supplemental financing.

Fertilizer Being Made From Cotton Gin Waste

The Producers' Gin Association, Harlingen, Tex., has installed equipment to sterilize burs and waste from cotton ginning operations and to convert the material into fertilizer. The fertilizer is being used on fields and citrus groves of the Lower Rio Grande Valley.

Packaging Parley to Halt

—Continued from page 3

fact that there are so many newcomers in the export trade, he stated, who are not familiar with the requirements of packaging for overseas shipment or, for pecuniary reasons, are unwilling to go to the expense of making sure that the shipment will arrive undamaged. Their lack of foresight tends to tear down the good will which this government is seeking to build up abroad for American products.

Consider Damage to Ports

One factor that American shippers should take into consideration when they are shipping goods abroad, he said, is the condition under which the goods must be handled at the receiving port. This is especially true of Europe, where so much war damage was done to the ports. Many of the warehouses were destroyed or so damaged that unless the goods are properly packaged they become damaged before they can be used.

Another factor that should be considered is the resultant waste of storage space when goods are not properly packed. He cited an instance of a shipment of radios to a South American country. The radios were packed in cardboard cartons, instead of wood boxes, and could not be stacked as high as they might be if properly packaged. The result that about one-half of the storage space in the warehuse was made useless and a strong protest was lodged with the American embassy.

Ways to Handle Problem

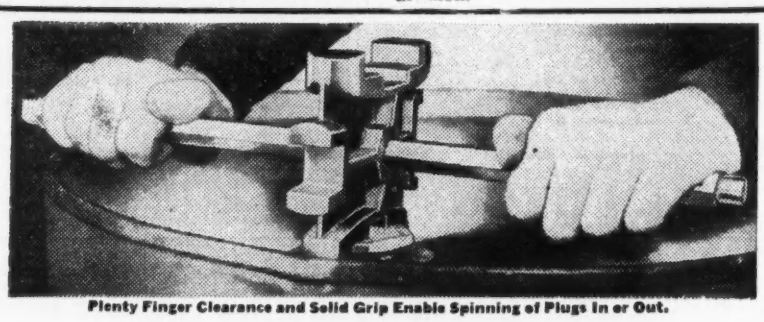
Mr. Koushnareff said that there are three ways to handle the packaging problem:—

1. By educating the exporters to the need for proper packaging for the export trade.

2. By increasing insurance rates or refusing insurance on goods that are not properly packaged.

3. By legislation that would permit the government to prohibit the export of goods that were not packaged in accordance with certain standards.

He believed that much of the problem could be solved by voluntary action upon the part of the exporters if they could be made to understand the requirements of overseas packaging. He said that he would emphasize the merits of first attempting an educational program through government publications, trade journals, motion pictures and other media. He favored legislation to compel proper packaging only as a last resort.



Plenty Finger Clearance and Solid Grip Enable Spinning of Plugs In or Out.

Save Time, Temper and Knuckles with the "ALL-PLUG" STEEL DRUM WRENCH

This master wrench services all foreign and domestic plugs. Its excellent design and perfect balance prevents mutilation of the plugs and injury to the operator's hands. The slide bar handle clears low and high chimes alike with plenty of finger clearance.

No partial turns or half grips need be resorted to, this wrench gets a firm grip on the plugs and gets them in or out quickly.

The large filler plugs are handled just as easily as the small "drain" plugs.

The "ALL PLUG" wrench does away with the need of having an assortment of miscl. wrenches, bars, and gadgets, homemade or otherwise which clutter up many shops. It is self-contained, has no adjustments, holders, adapters or other easily mislaid parts to bother with.

Construction and Design

A four pronged alloy steel spider, 4½ inches in diameter is built around a substantial hub thru which a ⅝ inch by 18 inch steel hexagonal slide bar is fitted. Two drain plug nipples are located at the ends of the bar. An automatic ball bearing stop holds the spider at the center for fast work, a slight tap releases it for heavy pulls to the end of the bar. To withstand the hardest use, this wrench is properly heat treated, machined and ground.

Specifications

Spider—Nickel Steel
S.A.E. 3140
Rockwell 40
Tensile strength 90,000 lbs.
Handle—Cold rolled steel
S.A.E. 1335
Weight 4½ pounds

Guarantee, One year
Life expectancy 5 years
Shipped from Chicago stock within two days of receipt of order.
Price $7.50 F.O.B. Chicago. On orders for five or more wrenches a discount of 5% is allowed.

Runner Bands or Chimes Do Not Interfere with Operaters Knuckles.

MICHAEL A. SCHINKER MFG. CO. Steel Drum Tools
6514 SO. WESTERN AVE. GROVEHILL 4642 CHICAGO 36, ILLINOIS

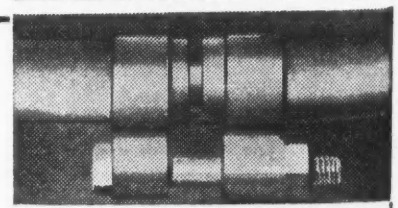
BLAW KNOX Stirring
AUTOCLAVE
for SALE at COST!
Brand new, stainless clad, 120 gallon, 1,000 P.S.I.
Available immediately!
Penn. 6-2626

Wanted Scarce—
SURPLUS CHEMICALS
From Prime Sources Especially
Anilin Oil, Beta Naphthol, Bichromates, Butyl Acetate, Secondary, Chromic Acid, Cresol and Ortho Cresol, Ethylene Glycol, Lithopone, Maleic Anhydride, Oxalic Acid, Titanium Dioxide, Urea
ENCO CHEMICAL CORPORATION
441 Lexington Ave., New York 17, N.Y

FOR SALE
1—SW-5E Steller Filter, stainless steel elements & cores.
1—Pac O Matic Packer with bag shaper and shaker (3, 5 & 9 lb. bags).
2—Vogt 3 Drum Low Head Boilers, 220 HP 160 lb. P, Oil-Gas Burners complete in stand-by condition.
1—Gehnrich Drying Oven, S.S., Endless Belt Type, 5' wide x 55' long, gas fired 15 burners, 750 F, complete with variable speed drive, Automatic Temperature control.
Michigan Chemical Corporation
Saint Louis, Michigan

CHEMICALS WANTED
We purchase surplus stocks of chemicals, pharmaceuticals, waxes, solvents, pigments, dyes, by-products, and war surplus of all kinds.
UNIVERSAL WESTERN CHEMICAL CORP.
957 S. Los Angeles Street
Los Angeles, California
Phone: TUcker 1426

DRUM PARTS SYSTEM
features Simple, Faster Closing Locking Ring!



A simple, basically proven locking ring that will save you time, trouble and leaky drums. Simple because it differs in only one important respect from the commonly used ring—that important difference is the simple, neat and inexpensive method of attaching the nut to the lug.

Basically proven because the idea embodied is identical with that used for bolted rings on ICC-17H drums. No loose nuts to fumble with. Perfectly engineered in every detail. And with DRUM PARTS Combination Closing Tool and Wrench your drums can be closed and sealed in a small fraction of the time required with other types of rings.

Write for complete details and specifications on DRUM PARTS SYSTEM.

DRUM PARTS, INC.
10311 MEECH AVE CLEVELAND OHIO

Advertising Index

Advance Solvents & Chemical Corp. 79
Albek, Albert, Inc. 23
Albrecht Chemical Co., Inc. 42
Alkydol Laboratories, Inc. 76
Allied Asphalt & Mineral Corp. 74
Allison, Wm. M., & Co. 73
Amcon Corporation 81
American Can Co. 21
American Flange & Mfg. Co., Inc. 14, 15
American Potash & Chemical Corp. 65
Anderson-Prichard Oil Corp. 87
Arnold-Hoffmann & Co., Inc. 83
Atlas Powder Co. 61

Baird & McGuire, Inc. 52
Baker, J. T., Chemical Co. 1
Barean, Irving, Co. 85
Barclay Chemical Co. 80
Barnett Laboratories 63
Barrett Division 46, 50
Bay Chemical Co., Inc. 43
Beacon Company 58
Bemis Bro. Bag Co. 33
Bendix Chemical Corp. 57
Benzol Products Co. 65
Berk, F. W., & Co., Inc. 42
Bethlehem Steel Co. 52
Birch-Kline Co., Inc. 76
Bower, Henry, Chemical Mfg. Co. 41
Brill Equipment Co. 85
Brode Corp., The 82
Bromund, E. A., Company 82
Bush Aromatics, Inc. 67
Bush, W. J., & Co., Inc. 66

Calif. Fruit Growers Exchange, Products Dept. 22
Carbide & Carbon Chemicals Corp. 58
Celanese Corp. of America, Chemical Div. 88
Chaplain & Bibbo 78
Chemical Manufacturing Co. 47
Chemical & Process Machinery Co. 85
Chemical Service Corp. 79
Chemical Solvents, C. P., Inc. 88
Chemo-Puro Mfg. Corp. 60
Church & Dwight Co., Inc. 40
Cleveland Steel Barrel Co. 76
Coaltar Chemicals Corp. 52
Colgate-Palmolive-Peet Co. 56
Concord Chemical Co. 82
Conray Products Co. 63
Consolidated Chemical Industries, Inc., 40, 42, 44, 45
Consolidated Products Co., Inc. 84
Cooper, T. G., & Company 82
Cortizas, M., & Company 73
Coupe, Robert A. 41
Crown Oil Products Corp. 80
Cutter Laboratories 64

Darling & Co. 83
Darsyn Laboratories, Inc. 64
Dawe's Vitamins, Inc. 56
Deep Rock Oil Corp. 48
Devold, Peder, Oil Co., Inc. 60
Dickerson Company 46
Dickinson, J. Q., & Co. 58
Diehl, Wm., & Co. 82
Drum Parts, Inc. 86
Duff Chemical Co., Inc. 43, 44
Dunkel, Paul A., & Co., Inc. 72
Du Pont de Nemours, E. I., & Co., Inc. 1
Durez Plastics & Chemicals, Inc. 36

Eastman Kodak Co. 65
Edwal Laboratories. 55
Elbert & Co., Inc. 44
El Dorado Oil Works 83
Emsco Equipment Co. 85
Enjay Company, Inc. 49
Equipment Finders Bureau 85

Faesy & Besthoff, Inc. 42
Ferro Chemical Corp. 80
Filo Color & Chemical Corp. 76
Fine Organics, Inc. 58
Firmenich & Co. 68
First Machinery Corp. 28a, 28b, 84
Florasynth Laboratories, Inc. 66
Fritzsche Bros., Inc. 66
Fulton Bag & Cotton Mills 47

Gane & Ingram, Inc. 61
Gartenberg, H., & Co., Inc. 53
Gelb, R., & Sons, Inc. 85
General Chemical Division 10
General Drug Co. 68
General Electric Co. 36
General Magnesite & Magnesia Co. 57
Gesell, R., Inc. 65
Golwynne Chemicals Corp. 13
Gowdy, T. F., Co. 82
Gray, William S., & Co. 1
Greeff, R. W., & Co. 12, 59
Green & Reedy 47
Gross, A., & Co. 81

Hamilton Laboratories, Inc. 68
Hardesty, W. C., Co. 81
Hardesty Chemical Co., Inc. 77
Heckathorn & Co., Ltd. 73
Hexagon Laboratories, Inc. 64
Heyden Chemical Corp. 19
Hopkins, J. L., & Co. 71
Huisking, Chas. L., & Co., Inc. 60
Hunt, Philip A., Co. 43
Hutchinson, D. W., & Co., Inc. 66

Inland Alkaloid Company 55
Iron & Steel Products Co. 85

Katz, Dr. Alexander & Co., Div. of F. Ritter & Co. 67
Kentucky Color & Chemical Co., Inc. 80
Kessler Chemical Co., Inc. 78
Koch, W. Walter, Co. 47
Kolker Chemical Works, Inc. 46
Koppers Company, Inc. 51
Koster, F. B., Wax Refining Co. 82
Kraft Foods Co. 28

Lamex Chemical Corp. 56
Lawler Company 85
Lemke, B. L., & Co., Inc. 59
Lever Brothers Company 56
Loeb, H., & Son 85

Machinery & Equipment Corp. 85
Magnus, Mabee & Reynard, Inc. 66
Mallinckrodt Chemical Works 6, 76
Maneely Chemical Co. 30
Martin, Glenn L., Co. 37
McCarthy Chemical Co. 49
McKesson & Robbins, Inc. 57
Merchants Chemical Co. 40
Merck & Co., Inc. 8
Metallo Chemical Refining Co., Ltd. 41
Metalsalts Corp. 64
Meyers, George D., Co. 80
Michigan Chemical Corp. 86
Miel, George A., Co., Inc. 83
Millmaster Chemical Co. 88
Mineral Pigments Corp. 75
Monsanto Chemical Co. 25
Montrose Chemical Co. 12
Munn, W. A., & Co. 64
Mutual Chemical Co. of America 53

National Milk Sugar Co. 60
Natural Products Refining Co. 53
Nelson-Wells & Co. 63
Neuberg, William D., Co. 11
Neville Company 88
Newark Steel Drum Co. 15
Newport Industries, Inc. 77
Niagara Alkali Company 26
Norda Essential Oil & Chemical Co., Inc. 67

Ohio-Apex, Inc. 78
Old Dutch Mustard Co. 73
Orbis Products Corp. 47
Oronite Chemical Co. 47
Ortho Chemical Corp. 56
Osborn, C. J., Co. 76

Pacific Coast Borax Co. 1
Page, Chas., & Co., Inc. 52
Parsons, M. W. 79
Paul-Lewis Labs., Inc. 59
Peck & Velsor, Inc. 71
Penick, S. B., & Co. 70
Pennotex Oil Corp. 49
Pennsylvania Industrial Chem. Corp. 75
Pennsylvania Refining Company 48
Perry Bros., Inc. 76
Perry Equipment Corp. 85
Pfaltz & Bauer, Inc. 61
Pfizer, Chas., & Co., Inc. 39
Pittsburgh Coke & Chemical Co. 52
Pittsburgh Plate Glass Co., Columbia Chemical Div. 40
Polychemical Co. 64
Prentiss, R. J., & Co., Inc. 72
Prior Chemical Corp. 1
Procter & Gamble 56

Read, Chas. L., & Co., Inc. 40
Reade Manufacturing Co. 76
Republic Steel Corp. 51
Riches-Nelson, Inc. 88
Richter, Gedeon, Pharmaceutical Prods., Inc. 56
Rosenthal-Bercow Co., Inc. 88
Ross & Rowe, Inc. 81
Roure-Du Pont, Inc. 67
Rufert Chemical Co. 13
Ruxton Chemical Corp. 63

Santonine Co. of America 60
Schieffelin & Co. 60
Schimmel & Co., Inc. 68
Schinker Mfg. Co. 86
Seil, Putt & Rusby, Inc. 73
Seldner & Enequist, Inc. 59
Senn, George, Inc. 75
Sergeant, E. M., Pulp & Chemical Co. 42
Sharples Chemicals Inc. 1
Shell Chemical Corp. 29
Shell Oil Co., Inc. 48
Shepard Chemical Corp. 88
Smith, George F. 42
Solvay Sales Div., Allied Chemical & Dye Corp. 27
Southern Acid & Sulphur Co., Inc. 44
Southwest Cedar Oil Co. 68
Spencer Chemical Co. 41
Staley, A. E., Mfg. Co. 56
Standard Brands, Inc. 54
Standard Oil Co. (Indiana) 77
Stauffer Chemical Co. 51
Stein Equipment Co. 85
Strong Co's, Inc. 17
Synthetic Products Co. 74

Texas Gulf Sulphur Co., Inc. 47
Thomoxon-Hayward Chemical Co. 45
Thurston & Braidich 73
Titanium Pigment Corp. 31
Trask, Arthur C., Co. 82
Truland Chemical & Engineering Co. 78
Tuteur Bio-Chemicals, Inc. 56

Ultra Penn Refining Co. 48
Ungerer & Company 68
Union Carbide & Carbon Corp. 58
U. S. Industrial Chemicals, Inc. 35
United Distillers of America, Inc. 65
United States Potash Co., Inc. 46
Universal Petroleum Co. 48
Universal Western Chemical Corp. 86

van Ameringen-Haebler, Inc. 68
Velsicol Corp. 44
Verona Chemical Co. 67
Virginia-Carolina Chemical Corp. 58
Virginian Gasoline & Oil Co. 48
Vitamerican Oil Corp. 65

Wallace & Tiernan 57
Watford Chemical Co., Ltd. 63
Welch, Holme & Clark Co., Inc. 41
Westvaco Chlorine Products Corp. 2
Wharry, G. A., & Co. 78
Williams, C. K., & Co. 79
Wilson-Martin Div. 81
Wolf, Jacques, & Co. 68
Woodman Agitator, Inc. 78

Ziegler, G. S., & Co. 77
Zink & Triest Co. 73
Zinsser & Co., Inc. 42
Zophar Mills, Inc. 88

MAY THE YEAR

1949

HOLD A FULL MEASURE
OF PROSPERITY, HEALTH
and HAPPINESS FOR YOU

ANDERSON-PRICHARD OIL CORPORATION

PRODUCERS REFINERS

OKLAHOMA CITY, OKLA.

PLASTICIZERS

Dibutyl, Diethyl and Dimethyl Phthalates - Tricresyl Phosphate

CHEMICAL SOLVENTS

INCORPORATED

WOrth 2-7763 • MArket 2-3650 60 PARK PLACE NEWARK 2 N. J.

ANILINE DYES

LITHOPONE

CAUSTIC-SODA-ASH

INDUSTRIALS • PIGMENTS
PHARMACEUTICALS

We invite inquiries on all chemical export requirements

SHEPARD CHEMICAL CORPORATION

117 Liberty Street, New York 6, N. Y. - WOrth 4-3950

Trisodium Phosphate
Disodium Phosphate
Sodium Tripolyphosphate
Tetrasodium Pyrophosphate

RN

RICHES-NELSON, INC.

Chemicals and Allied Products

TEL. MURRAY HILL 7-7267
CABLE RICNELCHEM N.Y. 342 MADISON AVENUE NEW YORK 17 N. Y.

IRON REDUCED BY HYDROGEN N.F.

a-MONOBROMOISOVAL-ERYLUREA, N. N. R. (Bromural)
CARBROMAL, N. F.
BENZONAPHTHOL, N.N.R.
ISOVALERIC ACID
NORMAL VALERIC ACID
VALERATES (All types)
DIPHENYL HYDANTOIN SODIUM
HEPTALDEHYDE
ZINC UNDECYLENATE
SODIUM UNDECYLENATE
COPPER UNDECYLENATE

DOMESTIC - EXPORT

Plant: BERKELEY HEIGHTS, N. J.

MILLMASTER

CHEMICAL COMPANY

551 FIFTH AVE., NEW YORK 17, N. Y.

Cable Address: "Millmaster"

Our very best wishes
for the
New Year

ROSENTHAL BERCOW CO., INC.

Drugs Chemicals Oils Waxes

25 EAST 26th STREET NEW YORK 10, N. Y.

Cable Address: "RODRUG" All Codes

Zophar GILSONITE

ZOPHAR MILLS 100 YEARS

Ore is Bold and Clean.
All Screened at the Mine.

Melting points 275°, 305° and 330° F. Carload Shipments from Provo, Utah. L.C.L. Shipments from Brooklyn Warehouse.

ZOPHAR MILLS, Inc.

Established 1846

112-26th STREET • BROOKLYN, N. Y.

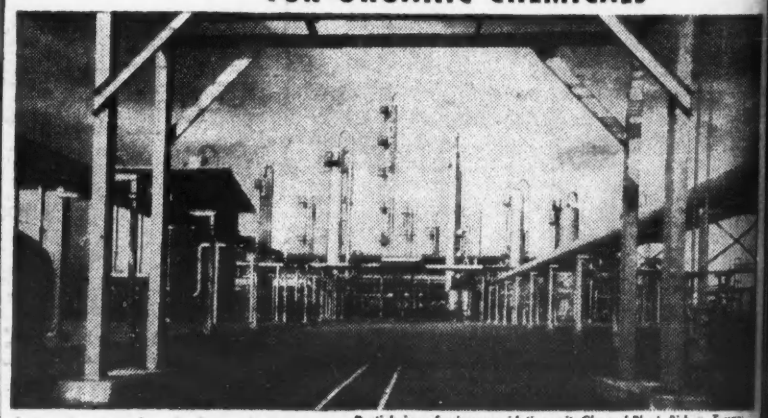
NEVILLE

Happy New Year

THE NEVILLE COMPANY

PITTSBURGH • PA.

LOOK TO Celanese
FOR ORGANIC CHEMICALS



Partial view of primary oxidation unit, Chemcel Plant, Bishop, Texas.

FORMALDEHYDE
ACETALDEHYDE
ACETIC ACID
METHANOL
n-PROPYL ALCOHOL
BUTYL ALCOHOLS
ACETONE
METHYLAL
TRICRESYL PHOSPHATES
SPECIAL SOLVENTS

Celanese Chemicals

*Reg. U. S. Pat. Off.

CELANESE CORPORATION OF AMERICA

Chemical Division

180 Madison Avenue, New York 16, N. Y.

XUM